

Manufacturers Record

Exponent of America



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Daniel J. Sully Writes of His Cotton Bull Campaign of 1903-1904.

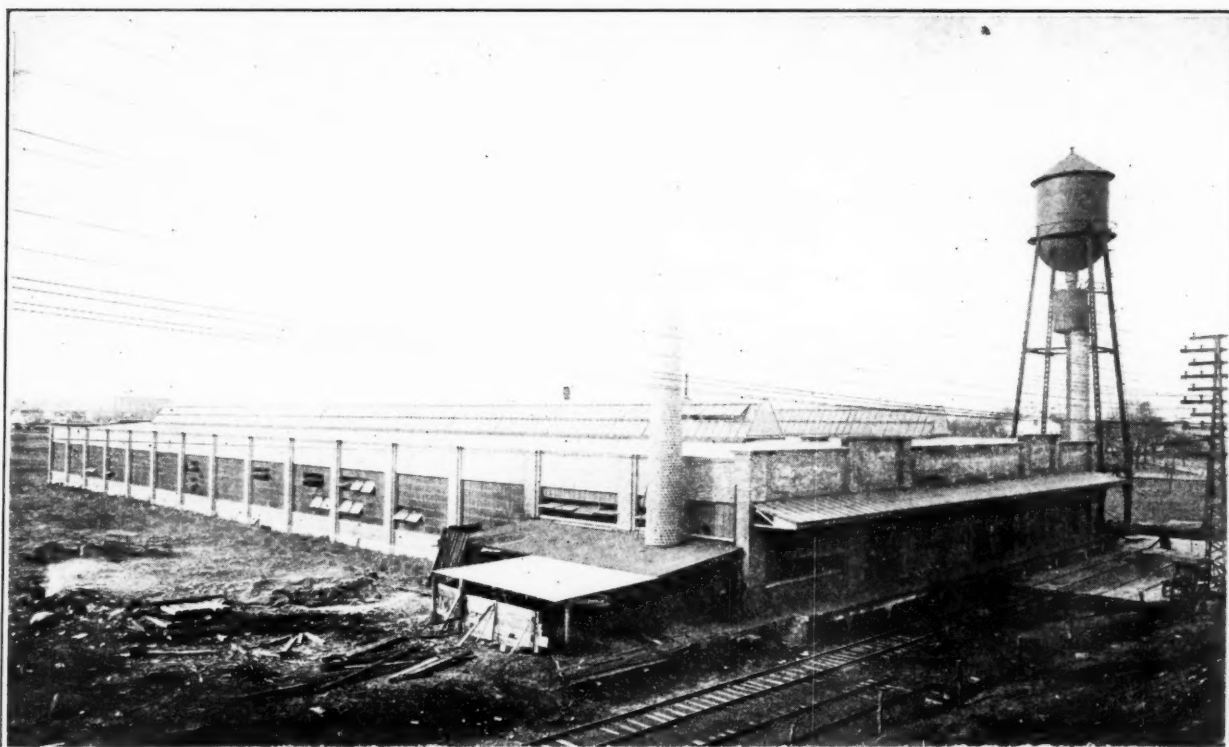
A dramatic story in regard to the most remarkable "bull" campaign in cotton ever known is embodied in a letter in today's issue from Daniel J. Sully, who organized and carried through the great Sully "bull" movement in 1903 and 1904, which proved of immeasurable value to the cotton growers of the South, lifting them out of desperate poverty to a greater degree of prosperity than they had known since the Civil War.

Sir Charles Macara, one of the great cotton manufacturers of England, has often boasted of having organized the International Federation of Cotton Spinners for the express purpose of breaking Sully's "bull" campaign, utterly regardless of the fact that in doing this these manufacturers were doing their utmost to carry the Southern cotton growers from a degree of prosperity back into the deepest poverty.

In reply to a letter from the editor of the Manufacturers Record, Mr. Sully gives the story of his investigations as a cotton merchant which led him, in 1902 and 1903, to realize that the world would be desperately short of cotton, and in this letter he gives the particulars of his plans for meeting the situation and for inaugurating the campaign which carried cotton to a price which it had not commanded since shortly after the Civil War. It is an extremely interesting story and will command special attention at the present time in the light of the fact that though twenty years have passed, the cotton crop of the South is still, over a period of several years, running below the world's actual needs. Mr. Sully's estimate of this year's crop is that it will not exceed 11,000,000 bales, and though he makes this estimate, he emphasizes the point that he is in no way whatever interested, directly or indirectly, in the cotton market.

The Manufacturers Record is rather inclined to accept the estimate of Mr. Sully as probably more nearly correct than the estimates which have been put out by the United States Department of Agriculture and many other supposed authorities, but even if the cotton crop should, by any possibility, reach the average of present estimates, it would still be much below the actual needs of the world on any basis of consumption during a period of moderate world business activity.

Last year American cotton manufacturers permitted foreign buyers to slip into the market and buy heavily at the low prices prevailing early in the season, resulting in foreign buyers having a great advantage over American buyers who held off hoping for lower prices. Will these manufacturers follow the same tactics this year and let foreigners capture the bulk of the early crop to the disadvantage of American interests?



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SEPTEMBER 25, 1924

Manufacturers Record

Exponent of America



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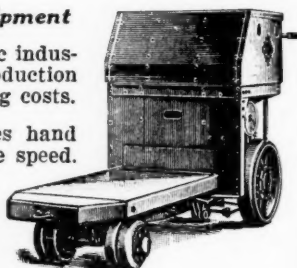
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The Proposed Child Labor Amendment.

THE vital importance of the so-called Child Labor Amendment is our excuse for publishing in this place the following letter written in reply to a criticism by the Evening Post of Chicago of the position of the MANUFACTURERS RECORD on this subject:

[Copy]

Baltimore, Sept. 15.

Editor,
Evening Post,
Chicago, Ill.

Dear Sir:

In your issue of September 4, in criticising the position the MANUFACTURERS RECORD has taken in regard to the proposed Child Labor Amendment, you think that I am unduly alarmed, and add that the MANUFACTURERS RECORD "cannot make us believe it is really alarmed lest Congress may interfere with children doing chores and helping with other work on the farm. What it knows, but carefully avoids advancing as reason for its opposition to the bill, is that Congress will legislate to protect childhood from exploitation by textile and other industries which the MANUFACTURERS RECORD more properly represents."

Please permit me to say unequivocally that I am not in the slightest interested in what views manufacturers or other employers of labor may have in regard to the Child Labor Amendment. The MANUFACTURERS RECORD has never sought to represent the view of manufacturers on questions of humanity, and is entirely indifferent as to whether the views which it expresses are in harmony with those of the manufacturers of the country or not. I wish to emphasize this point as strongly as the English language can do. No manufacturer ever reads this paper or advertises in it under any impression whatever that it will seek to represent the views of manufacturers or other business men unless those views are in absolute harmony with my own individual views on economic questions. The matter of the Child Labor Amendment, in my opinion, rises far above the interest of any manufacturers or all the manufacturers of the country combined.

Will you, therefore, please permit me to present a few suggestions in regard to the Child Labor Amendment, not from the standpoint of the employer but from the standpoint of the welfare of the people of this country as a whole and especially the welfare of all coming generations?

Felix Rackemann, a leading attorney of Boston, noted for his humanitarian interests, has been a very vigorous opponent of this Child Labor Amendment. In a recent article in this paper he quoted one of the backers of this kind of legislation as reported in the Congressional Record of May 31, 1924, as follows: "We must nationalize the children. We must remove the children from the pernicious influence of the family. We must register the children or—let us speak

plainly—we must nationalize them. Thus they will from the very start remain under the beneficial influence of Communist kindergartens and schools. Here they will grow up to be real Communists. To compel the mother to surrender her child to us, to the Soviet State—that is the practical task before us." Mr. Rackemann also called attention to the lobbying done in favor of that proposition as reported in the Congressional Record by Socialists, Communists and Bolsheviks. In a later letter he wrote me as follows:

"You will doubtless be interested to know that there has just come to my notice, through the courtesy of Congressman H. St. George Tucker, a piece of information which is important.

"There is a prevalent popular notion that, despite the broad language of the proposed amendment, there is no intention whatever of having the power applied in the case of the labor of minors at home and on the farms.

"It seems, however, that during the debates in Congress Mr. Moore of Virginia offered an amendment providing that the power should not extend to 'the labor of such persons in the homes and on the farms where they reside,' which amendment was defeated, and Mr. Ramseyer offered another amendment giving Congress power to 'limit, regulate and prohibit the labor in mines, quarries, mills, workshops, factories and manufacturing establishments of persons under sixteen years of age; and this amendment was also defeated. (See Congressional Record, page 7481.)

"It is quite evident to my mind that control over all labor was and is intended."

Mrs. Margaret C. Robinson, president of the Massachusetts Public Interests League, an organization of women working for the preservation of our Constitution and other things which pertain to the welfare of this country, in writing to this paper on the subject said: "The average person who assumes, from its name, that this amendment is a good thing has not taken the trouble to read it and does not realize that the word 'child' does not occur in it." And she adds: "This amendment would confer on the Federal Government a limitless new power, arbitrarily to control all youthful labor up to 18 years, even healthful and suitable labor, done in vacation, subject to no control but the will of Congress." This is a power which no modern Government has ever attempted to exercise except Soviet Russia, whence this amendment comes.

"Do the fathers and mothers of America wish to surrender to Congress the power to say whether their children under 18 may do any useful work in the home, in the garden or on the farm? If not, they should get busy and let their representatives in the legislature know what they think about this amendment."

The National Bureau of Education takes the view that this Child Labor Amendment would immediately prevent the working of youths under 18 years of age on the farm, and sings paeans of praise for the desirability of such a scheme. It takes the ground that by eliminating all the youths under 18 years of age from doing any farm work, the output of the farms of the country would be decreased and

the scarcity of foodstuffs would compel the consumer to pay a higher price. In the course of a statement issued by the National Bureau of Education, explaining its reason why farmers would favor this amendment, it is said:

"Many American farmers will be glad to see the states ratify the Child Labor Amendment, because they see in the amendment a means of escape from the ruinous competition engendered by excessive production of many farm commodities. Many farmers who prefer otherwise have been forced to keep their children out of school and use them as a source of labor, because so many other farmers with un-American standards of living through exploiting their children have forced down prices to the point where no profit is obtainable through a source of cheap labor. The farmer knows from bitter experience that the food market is a highly sensitive market. Give a man all he wants to eat and he will pay nothing for a surplus. Put him on short rations and he will pay any price for enough. He has seen this principle verified time and again. The short crop has almost invariably brought the biggest money return, the excessively large crop the smallest money return. When Government arbitrarily removes a big surplus labor element, those who have real American ideals for their children will hail the act as a godsend. Many farmers will hail the amendment for what it is—legally enforced co-operation, serving the double purpose of protecting children and parents who have real American ideals, and of protecting all farmers from excessive competition due to overproduction as measured by market demands."

That statement appeared in "Rural Schools News Letter No. 19," issued by the United States Commissioner of Education and was widely distributed throughout the country and republished by a large number of newspapers. It is a frank admission of the Bureau of Education, Washington, that if this Labor Amendment is passed the Government will co-operate to the utmost extent in forbidding all youths under 18 years of age, whether they be white or black, from doing any farm work. They would not be allowed to hoe the vegetables, milk the cows, water the livestock, to cut up wood for family use or to do anything else that might be called labor, for that is the definite plan of those who are backing this movement.

Miss Julia Lathrop, chief of the Children's Bureau in Washington, is recently quoted as saying: "This measure shows us a way to enforce education in the interest of the future and at the same time to get rid of the one thing we have never dared to tackle—'Rural Child Labor.'"

I think if you will study the whole discussion that has taken place in regard to the Child Labor Amendment, you will be satisfied that those backing it have definitely in mind the complete power of controlling the labor of all youths under 18 years of age, male and female alike; controlling their work on the farms, in factories, in the homes, and in every way dominating the situation as to this labor. The movement is being backed by many labor-union organizations for the express purpose of limiting the number of laborers that can be employed and thus lessening the number of mechanics.

Unless a boy who wants to learn a trade has begun an apprenticeship before he is 18 years of age, he will never consent to be apprenticed, for he will have reached an age too late to begin to work at the low wages that must be paid to apprentices. This amendment, therefore, would lessen the ability of boys to enter mechanical trades. It would keep them in idleness until they are 18 years old, and the boy who grows up in idleness, forced against his will perhaps at the start not to work, soon becomes a loafer and a professional idler, and then has to seek to make his living by his wits, developing a spirit of lawlessness and of robbery already fearfully prevalent throughout this country.

I have lying on my desk letters from a dozen or more of the presidents of leading technical and agricultural colleges in the South in reply to a query as to their ability to enable poor boys to work their way through college. The inquiry which called forth these letters did not in any way whatever

refer to the Child Labor Amendment and none of the letters bear on that, but every college president who has written says that a very large proportion of their students have to work their way through these agricultural and mechanical colleges, some by working on the farms and by working in the dining-room and in the kitchen, and some by other methods, but that the number of those for whom work of this kind cannot be found and who are thus denied the privilege of attending college is several times greater than the amount of work that is available in these colleges.

Under the Child Labor Amendment no boy under 18 years of age would be permitted to work his way through college, or in summer time to work in order to make the money for his education, unless by specific permission of the bureaucratic power in Washington, which would then dominate the situation.

Some have said that it is absurd to think that this bureaucratic power would go to such extremes, but will you tell me why this power is demanded in the bill if it is not the intention of those backing it to enforce it? Moreover, can you tell me of any power that has been granted by Congress to any commission or bureau in Washington that was not only not enforced to the letter but carried to the extreme?

For instance, it was certainly never intended by Congress that the Interstate Commerce Commission should forbid the building of a short-line railroad to open up a new coal territory, and yet a few weeks ago a report to the Interstate Commerce Commission did definitely advise against permitting the building of a railroad in West Virginia to reach coal property controlled by members of the Brotherhood of Locomotive Engineers and their associates. A few months ago the Interstate Commerce Commission forbade the building of one and one-half miles of railroad track in West Virginia, on which two-thirds of the work had been done during the war, on the ground that it would open up a new coal territory and no more coal mines were needed. Fortunately, a reconsideration of the matter was forced upon the Commission in such a way that that decision was withdrawn. Influential interests in the Commission had assumed the right to say that enough coal mines were already in operation and that no more should be opened, and for that reason they forbade the building of this short line to reach an important coal territory where coal could be mined cheaply to the benefit of the country.

I am sure it was never expected by the Congress which enacted the Federal Reserve bill that the Federal Reserve system should have an absolute, complete domination unchecked by any authority, to inflate or deflate credits whenever in its opinion it might so decide, but the Federal Reserve system has done this and has assumed the power of life and death over business.

I cannot call to mind any instance in which a Federal bureau has not gone to the extreme limit of enforcing the letter of the law and then of assuming an authority which the law never intended but which the bureau undertook to establish, taking for granted that nobody would be willing to enter upon a contest against its decisions.

My opposition to the Child Labor Amendment, as I have stated, is based wholly on my firm belief that it would give to a Federal bureau in Washington great power over all people under 18 years of age to completely dominate what they should or should not do so vast in its influence for evil that we cannot measure the harm that would be done.

I am unalterably opposed to the working of immature children in factories anywhere or at any time, but I believe that we need in this country to get back to the idea that work is a blessing and not a curse, that the average boy ought to learn some trade or be engaged in some work before he is 18 years of age. I venture to say that if you will call the roll of the great business leaders of this country—the men who have succeeded in every line of

industry and in most of the professions—you will find that they were at work in one way or another long before they were 18 years of age. When you limit the right of a boy to work before he is 18—and if you give to a Federal bureau the power to decide this, you may rest assured that that right will be enforced—then you have planned to make that boy grow up in idleness, and create in mind and body the devil's best workshop for destroying the young people of all coming generations.

I repeat, as editor and publisher of the MANUFACTURERS RECORD, I do not care one iota what employers may think on this subject. My views are expressed entirely without regard to what they may think, and they are based largely on the fact that I was working, and working hard, on a farm when I was 12 to 14 years of age, and reverently thank God for the experience thus gained and the sense of responsibility which was thus developed.

Very truly yours,

RICHARD H. EDMONDS.

TEXAS' MOUNTAIN REGIONS AND TEXAS' STATE PARKS CAMPAIGN.

FOR many years it was the almost universal custom to say that Mt. Mitchell in western Carolina is the highest peak east of the Rocky Mountains. That was accepted without question by probably 999 people out of 1000. Several years ago we called attention to the fact that while Mt. Mitchell is the highest peak east of the Mississippi, it almost pales into insignificance in comparison with some of the mountain peaks of Texas, much to the astonishment of many of our readers.

We imagine the impression that most outside people have in regard to the South as a whole is about as erroneous as the impression that a large majority of people in the country have as to Texas being exclusively a great, flat prairie country, for few of them, so far as our experience goes, have any conception of Texas as a land in which mountain ranges of wonderful beauty, and surpassing Mt. Mitchell by nearly 50 per cent in height, can be found.

There are long stretches of elevated plateaus in Texas where one can look out upon scenes of wonderful beauty, though the elevation may be only 1800 to 2000 feet. But passing on from these high plateaus to the real mountain section we come to peaks ranging from 9000 to 9600 feet. Indeed, calculations are now being made which may prove that one of these peaks exceeds 10,000 feet.

We are publishing in this issue an unusually interesting story, beautifully illustrated, of these mountain peaks, which so far as we know have never before been illustrated by any publication in this country. The story is written in connection with the work which Governor Neff and other state officials of Texas are doing looking to the establishment of a series of parks scattered over the entire state. Already much has been accomplished in securing land here and there throughout the state dedicated to public parks. The people of Texas have been extremely liberal in giving this land without remuneration of any kind for the good of the state and of coming generations. It is a spirit which should be encouraged and imitated in every other state in the Union. We invite our readers everywhere—North, East, South and West—to study what the people of Texas are doing in donating sites for state park purposes, and would strongly urge that every state in the Union begin a similar campaign, and that the people show equal liberality in their gifts of lands for state parks.

The story which we are publishing today is inspiring in the light which it throws upon the spirit of Texas people in this work for coming generations.

WHEN AND WHERE THE WORK OF DEFLATION STARTED.

Dorchester Lumber Company.

Badham, S. C., Sept. 16.

Editor Manufacturers Record:

You have had many editorials in your magazine concerning the deflation of values during 1920-21. In the issue of September 11 you, for the first time, speak of deflation beginning in 1919.

During the summer of 1919 the railway labor organizations made demand on the Director General of Railways for a large increase in wages. To prevent a strike, a compromise was sought and the matter was referred to the President. The labor leaders had a conference with him and sought to justify their demands, pleading the high cost of living. Mr. Wilson advised them to accept a scale of wages less than they demanded, on the ground that the cost of living would decline, and pledged them that every agency of the Government would be employed to reduce the cost of living.

The first evidence the public had that the President was trying to redeem his promise was the vexatious but futile activities of Attorney General A. Mitchell Palmer in prosecuting petty tradesmen all over the country for alleged extortionate prices. But the prime agency invoked to reduce the cost of living was the Treasury Department, under Secretary Houston, who put pressure upon the Federal Reserve Board to call loans, even those secured by Liberty bonds.

The activities of this department of the Government to reduce the cost of living were not visible to the public. Such forces move silently and slowly, but with certain and destructive results. The President found willing agents in the Secretary of the Treasury and the head of the Federal Reserve Board, but deflation had its inception in this pledge of Mr. Wilson to the labor unions in 1919. Anyone can refer to the files of the newspapers of the date of that conference and read for himself the promise of the President to reduce the cost of living.

V. C. BADHAM.

Mr. Badham's statements are absolutely correct and the facts have been repeatedly stated in the MANUFACTURERS RECORD, though in the opening paragraph of his letter he seems to have overlooked that fact. When President Wilson in the summer of 1919 made his statement to the railway men we pointed out the inevitable destruction that would follow if his promise was carried out. Needless to say, we are still suffering from the terrific blow given to hundreds of thousands of concerns and to millions of farmers in 1919 and 1920, and from which many of them have never recovered and many are still dropping by the wayside as the result of the blow then received.

EMPLOYMENT FOR FEMALE LABOR NEEDED IN MANY TOWNS.

A PHOTOGRAPH of the employes of the Kyle Hosiery Mills Company, Tuscaloosa, Ala., recently issued by the Chamber of Commerce of that city, shows a remarkably fine-looking group of men and women, boys and girls, none of them, however, young children, employed by that company. Attention is called in the circular issued in connection with the photograph to the fact that all of these employes are "100 per cent Anglo-Saxons," and the question is asked: "Have you ever seen a more intelligent, healthy, industrious body of workers? There are hundreds more waiting for an opportunity to serve you."

The Alabama Power Company recently carried an advertisement mentioning a number of towns in the South in which very few females were employed, indicating that there was a large available supply of this high-grade Anglo-Saxon element ready for work wherever the opportunity was offered. There are still available in the South many thousands, probably some hundreds of thousands, of white females who would eagerly grasp at the opportunity to find employment in knitting mills, cotton mills or other activities where female labor can be utilized to advantage.

ENGLAND, NOT GERMANY, OUR BEST CUSTOMER.

JOHN C. DEAN of Dean Brothers Company, manufacturers of pumping machinery, Indianapolis, Ind., writes the MANUFACTURERS RECORD as follows:

"Your arraignment of Germany, in the August 21 number of the MANUFACTURERS RECORD, is really a high compliment to German intelligence, skill, energy and genius for organization. You practically say that if Germany is allowed to get onto her feet, German industrials will control the markets of the world and 'Germany will drive British coal from the Atlantic and Mediterranean seaboards.'

"What interest have we in these matters? Germany is the best customer that the South has. She consumes more American cotton than any European country, and this consumption of cotton will be immensely increased when, under the Dawes plan, she will be allowed to operate to full capacity.

"England openly says that she proposes in the future to produce in her colonies all the cotton she requires. Not only this, Germany is the largest consumer of American grain, and with a pacific restoration of her industries she will be by far the best customer that America has."

Mr. Dean says that "Germany is the best customer the South has," and he makes other assertions that are equally erroneous. England—the United Kingdom—before the European War was our largest customer and still holds that position. We have only to look at official export figures issued by the Department of Commerce to prove that Mr. Dean is mistaken.

Take the question of cotton exports: Contrary to Mr. Dean's assertion, Germany does not consume as much raw cotton as England. For the fiscal year ended July, 1924, we exported to Germany 1,320,000 bales of cotton, while during the same period we exported to the United Kingdom 1,656,000 bales.

It is true our cotton exports are below pre-war averages, but even then the United Kingdom was far ahead of Germany in American cotton consumption. The pre-war, five-year average (1908-1912) exports of cotton to Germany amounted to 2,348,000 bales, as compared with 3,269,000 exported to the United Kingdom. In 1912 we exported 3,282,000 bales to Germany and during that year we exported 4,197,000 bales to the United Kingdom.

In replying to the last paragraph of Mr. Dean's letter, it may be said that the MANUFACTURERS RECORD has for years repeatedly called attention to England's effort to raise cotton, which she has been threatening to do for the last hundred years but with a successful end not in sight at present. And every cotton-using Continental country has been doing the same thing, and we cannot blame any of them, for we are constantly urging this country to produce rubber, sugar and other things for which it now depends upon foreign lands.

Mr. Dean is far off the track when he says that "Germany is the largest consumer of American grain."

The United Kingdom has been and still is the largest consumer of American grain. According to the export figures issued by the Department of Commerce, for the fiscal year ended July, 1924, we exported 32,000 bushels of barley to Germany, as compared with 10,390,000 bushels to the United Kingdom. We exported 672,000 bushels of corn to Germany, as compared with 4,448,000 bushels to the United Kingdom. We exported 5,091,000 pounds of rice to Germany, as compared with over 31,133,000 pounds of rice to the United Kingdom. We exported 1,919,000 bushels of wheat to Germany the last fiscal year, as compared with 16,811,000 bushels to the United Kingdom. The exportation of rye was larger to Germany than to the United Kingdom, but that is the only grain crop in which the exports to Germany leads. In other words, we exported for the fiscal year ended July, 1924, of the principal grain crops—barley, corn, oats, rice, rye and wheat—about 7,292,000 bushels to Germany, as compared

with over 33,000,000 bushels of similar grains to the United Kingdom. During the last fiscal year England consumed over four times as much American grain as Germany did.

During the pre-war years (1908-1912) we exported to Germany an average of 6,406,000 bushels of corn, compared with 14,500,000 bushels during the same period to the United Kingdom; 5,588,000 bushels of wheat were exported to Germany, as compared with 23,549,000 bushels of wheat to the United Kingdom, with other grain crop exports in practically the same proportion.

Furthermore, showing the relative importance of our foreign trade between Germany and the United Kingdom and other countries, we give the following tabulation of the value of total exports for the fiscal years ended July 1924, 1912 and 1913:

Country	TOTAL EXPORT VALUES—1912, 1913, 1924.			Imports value 1924
	1912	1913	1924	
United Kingdom	\$558,964,000	\$592,462,000	\$897,655,000	\$341,756,000
Canada	314,895,000	397,426,000	601,583,000	417,256,000
Germany	303,495,000	328,629,000	378,350,000	146,816,000
France	131,132,000	142,498,000	280,370,000	144,211,000

From the foregoing figures it is seen that during the last fiscal year our exports to the United Kingdom more than doubled the exports to Germany, and our exports to Canada amounted to \$223,000,000 more than our exports to Germany. And somewhat similar conditions existed in our pre-war exports to the United Kingdom and to Germany.

Mr. Dean made very serious errors in his letter as to Germany as shown by these official figures. Moreover, he says our editorial "is really a high compliment to German intelligence, skill, energy and genius for organization," but he entirely omits honesty and honor, for of these Germany seems not to have any. We pointed out how Germany had deliberately robbed the world by selling its marks and pocketing the profits by repudiation of all its indebtedness, and how German industrialists and ship owners had robbed their creditors in the same way, and that by this process of thievery German business interests would be able to undersell others.

We are sure that Mr. Dean would not commend an individual trader or a nation of traders who deliberately based their cleverness to undersell honest competitors on their ability to swindle every creditor out of every dollar of indebtedness. Nor can we believe that Mr. Dean would regard these robbery abilities as evidences of "intelligence, skill, energy and genius of organization," except as organized for robbery.

CHANGING SOUTHERN SENTIMENT ON TARIFF.

STEPHEN C. MUNSON, president of the Glenwood Sugars, Inc., Napoleonville, La., in a letter to the MANUFACTURERS RECORD, says:

"I have read the marked copy of September 3 with great interest and wish to compliment you on your sensible declaration in regard to the tariff on sugar.

"I think that the sentiment of the 'Solid South' is changing rapidly in regard to tariff, and our Senators and Representatives would do well to get abreast of the times. There is no better way to educate the people of the South and the whole community than just what you are doing."

"MADE IN GERMANY."

A SOUTHERN tourist in New England this summer concluded to make some purchases of souvenirs for his grandchildren, because they are of old New England stock. He decided that souvenir replicas of the Bunker Hill Monument would be most appropriate, and he purchased three of these miniature marble monuments, six or eight inches high, to which were attached household thermometers. When he got home and examined them he found a stamp on the bottom showing that they had all been "made in Germany"!

Are the Railroads Their Own Worst Enemies?

HOWEVER much many railroad officials may say no to this question, a large part of the public will certainly say yes and be prepared to give reason therefor. Twenty-five years ago railroad mismanagement, railroad efforts to control legislation, railroad inefficiency and disregard of public rights were the cause of creating the hostility of that day which well-nigh wrecked the railroads and from which they have not yet recovered. There has been a great change for the better, but there are still many evidences that some railway officials have inherited the spirit of olden days.

In constantly seeking to save the railroads from the inevitable collapse which we saw years ago was ahead of them unless they would change their policies, we pointed out how they were creating hostility on the part of the public; how nearly everybody, with some rare exceptions, engaged in railroad work, from the executive officers down to the office boys in freight and passenger stations, seemed to feel themselves superior to the traveling and shipping public. No man who traveled over the railroads in those days could possibly retain for any great length of time a friendly feeling for them by reason of the impudence and insolence of many of their employes, trained into this line of thinking by the assumed air of superiority over their customers. We often said editorially in these discussions, while trying to stir the railroads to a realization of the situation, that no department store in the country could be kept out of bankruptcy which treated its customers as railroads treated theirs.

In a business gathering in Washington about 20 years ago a distinguished Government official turned to the president of a leading Southern railway and said:

"Mr. —, why is it that when you and other railroads have by mistake overcharged a shipper it takes months and sometimes years to get the matter readjusted and payment made, but when the mistake is against you and the shipper has not been charged a sufficient amount he is required to make immediate payment?"

The railway president blushed, admitted the condition, thanked the gentleman for making the inquiry and stated that he would try to bring about a better condition on his line. The writer knows of a specific case just now where in four years not even a reply has been made to duly sworn statements and requests for payment of damages to freight.

The point we are driving at is illustrated in a letter from L. J. Folse, manager of the Mississippi Development Board, an organization which is doing remarkable work for the development of that state. In his letter referring to what he regards as the shortsighted attitude of Southern railways in not doing more than they are to develop the South, Mr. Folse, having in this case a special reference to homeseekers' rates, writes:

"Prior to the conference of the Southeastern Passenger Association I predicted that it would be a waste of time to discuss this matter with the carriers, as they knew what our requirements are and to accept less will get us nowhere.

"The shortsighted attitude of the carriers in regard to the development of the South is hard to understand.

"With very few exceptions, the Southern lines are making no real attempt to provide industries to replace the lumber industry which is now fast passing out.

"I recall that in one of your issues you called attention to the feverish endeavor years ago of the Southern carriers to depopulate the South, especially those roads dominated by Eastern interests. You pointed out that the Southern people were hauled to the West at low rates of fare.

"There is a constant cry upon the part of the railroads for relief from legislative supervision and control, and while we must admit that the railroads have been practically legislated to death and that there is a howling demand upon the part of the radical element for Government control of the roads, we can but feel that the attitude of the Southern carriers, as demonstrated by their almost childish attitude to-

wards the requirements of the South, is responsible for the recruits that the radical Government ownership element is getting.

"They cannot attribute their lack of interest in the development of the South to the lack of co-operation upon the part of the people, for when we consider their attitude we can feel, with every degree of sincerity, that they are even getting more co-operation than they deserve.

"I have addressed a letter to the vice-president of a certain Southern railroad, and have traced him on several occasions, and have yet to receive a reply from him in regard to this matter. This does not demonstrate that the arrogant spirit of those who fix the policies of the railroads is any less now than it was prior to legislative control, and while every thoughtful man will admit that the vociferous appeal being made by the demagogue politician for more restrictive measures in regard to the operation of the railroads is to be deplored, yet we do feel that the railroads in a good many respects are lacking in common-sense and courteous treatment of the public. There are some exceptions, of course, but the disregard of the public's rights seems to be a matter of common failing upon the part of those who should render the public service.

"The Southeast Shippers Regional Advisory Board, headed by A. G. T. Moore, director of cut-over land utilization of the Southern Pine Association, has done more, in the opinion of many, to create a friendly feeling toward the carriers and to improve service than any single thing yet accomplished.

"The carriers know that it is an absolute impossibility to attract people to the South upon the basis they have presented to us in regard to homeseekers' rates.

"It is, as you say, 'The suggestion of a ticket for five homeseekers is so absolutely absurd on its very face that I wonder that the railroad people even presumed to offer that to the public.'

"The attitude of the railroads, as expressed by you, in offering this absurd proposition to us is exactly their attitude on most questions presented to them. They seem to feel that the thing to do is to get by on some such basis, and it is because of the public's knowledge of that disposition upon the part of the carriers that traffic bureaus are being organized throughout the country, and the legislative bodies which have to do with railroad operation are being strengthened from time to time. The railroads have only themselves to blame for this situation.

"We are either right or wrong. Reason seems to be on our side, and I do not believe we will get anywhere until this matter is referred to the Interstate Commerce Commission, and I feel certain that when this is done the South will get that which it is justly entitled to.

"I was in the employ of the Southern Pacific Railroad for about ten years, and I do not know of a single case that ever came up that was not handled to the satisfaction of the shipper, because during my entire service with that company it was their policy to go the limit to create a friendly feeling with its patrons, and I believe it is their policy now.

"The Southern railroads might follow the example of the Canadian railroads in the matter of attracting people to Canada. If they did, there would be no fear upon the part of the people in the South as to what would become of the unused lands of the South.

"The South, as pointed out by you, is not only the healthiest section of the nation, but its birth rate is the highest. Climate, health, schools—every condition of the homeseeker—is met in the South, and yet with this record we find the railroads who ought to be aiding in attracting people here doing all in their power to keep them away.

"Mr. Forbes, in a recent article, stated that what the South needs is a Napoleon, a Harriman or a Hill, but I believe what we chiefly require is common sense, foresight and ordinary business intelligence. The propaganda of the railroads for loosening the thumb screws of legislative control will be in vain just so long as they disregard the rights of the people as they are now doing in the case of the homeseekers' rates.

"I am personally acquainted with a large number of railroad men, and no one can say that during my entire experience have I failed to defend the railroads when they were unjustly attacked, but I contend that the weak argument they now present in regard to our appeal for homeseekers' rates to the South does not justify the feeling upon the part of anyone that the railroads are seriously trying to avoid more stringent regulations."

We know that many railroad officials will protest that

this statement is not correct, but they should study it in the light of the fact that it expresses the exact feeling of many travelers and shippers. Right or wrong, the feeling is there, and unless it is changed there will again be developed an increasing legislative hostility to railroads. One of the leading railroad presidents of the United States has often freely admitted to the editor of this paper that most railroad officials know absolutely nothing about the psychological value of developing public sentiment or how to do it.

GOLDEN RULE ADVERTISING.

[Editorial in Dallas (Tex.) Journal.]

"A high plane of salesmanship and a rare spirit of commercial progressiveness are exhibited on a certain page of the MANUFACTURERS RECORD of August 7. The page is devoted to an advertisement, and the advertisement is an appeal from the Central of Georgia Railway for the location of more cotton mills in the Georgia and Alabama area served by its lines.

"If not entirely new, this is at least something exceptional. Railroad companies of the country, particularly Texas railroads, have done something in the past to encourage agricultural industry, and much of the development of the truck, orchard and livestock production of this state is due to the efforts of the railroads. But the Central of Georgia is taking a step ahead. In the past, no doubt, it, too, worked for agricultural development along its lines; now it is keeping abreast of the times by encouraging the development of manufacturing within its territory.

"Of course, the Central of Georgia expects to benefit by any development which may come as a result of its advertisement of that territory's resources. Still, the advertisement says little about the railroad and much about the resources of the country and its potentialities as an industrial center. It strives to bring greater wealth, not only to the Central of Georgia but to the merchants, the farmers, the manufacturers—yes, and the competing railroads. It seems that some of the spirit of the Golden Rule is creeping into advertising. May it continue to spread and may it invade other fields of business aggressiveness!"

The foregoing, from the Dallas Daily Journal, is of interest as showing the great influence of such advertising as the Central of Georgia has been doing. That the particular advertisement mentioned was considered worthy by one of the leading daily papers of Texas of being thus commended in its editorial columns indicates how wisely it was worded and the spirit of enterprise shown. All advertisements should be so carefully worded as to make the advertising pages of this and all other papers equally as interesting as the editorial and news columns, and in some respects even more interesting.

In our advertising pages we carry the story of about one thousand of the leading business concerns of the country appealing to our readers to study what they are offering. The editorial columns carry the views of the editor. We hope the stuff thus presented as the views of one man proves interesting and instructive to our readers. But in the advertising pages a thousand business concerns are expressing their views on things which they feel are of particular interest to the public. Read what they have to say whether you read our editorial views or not.

FOLLOW HIS EXAMPLE.

DR. C. A. DODSON of Little Rock, Ark., in writing to the MANUFACTURERS RECORD for some statistics to be used in a public address, says:

"I am very grateful to Dr. Henry Mace Payne for getting me interested in the MANUFACTURERS RECORD. It is so full of American patriotism, industrial information, moral, religious and intellectual inspiration that I feel that I could not afford to be without it. Every copy has material for several good speeches, and I feel it my duty to encourage people to read the MANUFACTURERS RECORD."

IRREVERENCE AND "CUSSING."

"The MANUFACTURERS RECORD has its hands full. It is trying to discredit John W. Davis by charging that his recent paraphrase of a Scriptural quotation was 'irreverent,' and now it carries an editorial solemnly adjuring Charles G. Dawes to quit cussing. Well, Davis wasn't irreverent, and Dawes isn't going to stop cussing, unless perchance Billy Sunday should succeed in making him 'get right.'"—*Montgomery, Ala. Advertiser.*

Perhaps the Montgomery Advertiser is incorrect. A good many people think that Mr. Davis was irreverent and we seriously doubt whether he will in the same way paraphrase Scripture again.

Then, perhaps, the Advertiser is also incorrect in thinking that Mr. Dawes will not "stop cussing." Perhaps Mr. Dawes will also learn a lesson to the effect that profanity is neither wise nor profitable.

THE PANAMA CANAL'S INFLUENCE ON TRAFFIC.

IN the ten years of its operation the traffic of the Panama Canal has increased to such an extent that it already far exceeds that of the Suez Canal, and it is evident that its facilities will have to be increased in the not distant future to take care of its growing traffic.

While this fact is being considered we should not lose sight of the necessity of building the Nicaraguan Canal as one of the great projects to which this country ought to be committed.

In commenting on the growth of the traffic through the Panama Canal the Washington correspondent of the Boston Transcript says:

"From the United States industrial East the iron and steel come and thousands of tons of other manufactured products and textiles for South America, Australasia, and the Far East. From there also come at the rate of more than 100,000 tons in one year ammonia, cotton, sulphur, cement, coal and coke, metals, ores and paper.

"In the United States the great argument for the Panama Canal, after its necessity for defense, was its advantage to coastwise traffic. Ten years show that the 'Big Ditch' fulfils these expectations. Two-thirds of eastbound tonnage from all sources is coastwise traffic. Of the tonnage originating in West Coast states, 90 per cent is consigned to East Coast ports. Half of the shipments from the industrial East totaling one-third of all westbound traffic is coastal traffic. California sends millions of barrels of oil East via the canal. Much of her fruit in cold storage moves this way, and from the northern part of the coast comes the famous salmon. Lumber is a commodity of rapidly increasing importance in canal business, the East Coast exchanging its particular types of wood for the West Coast's native trees. Wheat from western Canada, instead of flowing to Europe by the lakes and rivers of the St. Lawrence system, goes to Vancouver now and is shipped to England via Colon.

"All the odors, scents and smells rising from a crowded Far East port cannot match those of Panama. Tankers with blood from South America, camphor from Japan, algarobilla from Andes forests, garlic hair, cassia and whale oils from the Far East, iodine from Chile, perfume from France, onions from California, peanuts and tea from China, rubber from Singapore, copra from the South Seas, and pungent ammonia from Baltimore all mix at Panama. But probably no port in Araby dissipates its stenches and its scents in sanitary oxygen and antiseptic sunshine as Panama does. The Canal Zone, from Panama City on the Pacific to Cristobal and Colon on the Caribbean, is as spotless and well swept as a Dutch kitchen.

"In ten years more than 25,000 ships have transited the canal. These ships paid for this privilege \$97,802,000, a sum equal to more than one-fourth the total construction cost. An average of 14 vessels a day now passes through the canal, and each day the United States collects about \$65,000 tolls. That the tendency of trade is to bring raw products East and send manufactured products back is shown in part by the fact that in the decade the tonnage from the Pacific to the Atlantic exceeded that going in the other direction by more than 20,000,000."

A CALL TO THE NATION TO SAVE OUR BUSINESS AND OUR COUNTRY BY A RELIGIOUS REVIVAL.

Portsmouth Chamber of Commerce, Inc.

Portsmouth, Va.

Editor Manufacturers Record:

The letter of Th. Aubert which you published under the title of "Will Bolshevism Triumph Over Christianity?" brought to mind an incident which I observed on the main corner of one of our large Northern cities not more than a month ago. Under a gently waving American flag a man of slight build, with long locks of hair and closely trimmed, sharply pointed beard, preached the message of communism. He insinuated nothing, he spoke in no veiled terms; without fear or trembling he boldly and emphatically cried: "I represent the philosophy of communism."

There may be many street corners on which this same scene is being enacted. I have heard of them. This was the first one that I had witnessed, and I frankly admit that I was staggered. It was well for that man that this is a country in which free speech is tolerated.

In all fairness to this disciple of Lenin and Trotsky, I will admit that he enumerated some existing conditions which are undermining the foundations of this nation, conditions which were all powerful in the downfall of many great nations in past history, but I will never admit that he had the right solution; I will never admit that the forces of communism which are destructive to the whole order of things can right the existing wrongs.

I will admit that changes are needed; every thinking man will admit that there is a groping and struggling, although somewhat blindly, for a solution to our many world problems, and I am reminded of the words of one who traveled much in foreign lands and saw the pathetic ruins of once magnificent nations. It was Lord Byron who wrote:

"Here is the moral of all human tales.
'Tis but the same rehearsal of the past;
First freedom and then glory—when that fails,
Wealth, vice, corruption, barbarism at last,
And history, with all her volumes vast,
Hath but one page."

Much of what this poet said is true. The actual historical facts prove it, and on the face of it there is presented a very gloomy outlook for this American nation, but there is a brighter side. What has gone before needs not necessarily be repeated in the future. America's future can be made secure against the onslaughts of communism and all other agents and forces of evil. Our whole political, social, economic, moral and religious order can be saved and perfected if—well, first of all, if we just stop to think a minute of what we are really here for. That will give us a working basis.

This time the answer comes in the words of Walter Rathenau: "We are here, not for the sake of power; not for material possessions, not even for happiness itself, but that through the spirit of man there may be revealed, realized and expressed the purposes of the Eternal."

Right there our whole educational system has broken down. A strong statement, but many a conservative educator has agreed with me. We have taught, for example, all the facts of every subject imaginable, but in very few cases have we heard an interpretation of these facts as to what they were all really about anyhow, what it is all for, what is the purpose of it all.

While it may sound a bit like preaching and outside the scope of one devoting his time and efforts to the betterment of commercial and civic life in a community, I say without fear or favor that what we need more than anything else in the world today is a broader, deeper and more thorough education and a vital Christianity; not a nominal one, but a *vital Christianity*.

Our religious and educational institutions recognize this in a mild way—perhaps our political, social and economic orders do to a certain extent; but a mild recognition of these facts will never solve the problem. There must be a profound recognition and utilization.

Would that churches, schools, industry and society take hold of this in a profound way, and if they would bolshevism or nothing else could triumph over Christianity nor any of the fundamental principles which America holds dear, and in this respect what holds true in America will hold true in every nation of the world.

GEORGE H. CLESS, JR. Executive Secretary

The foregoing letter is well worth the careful study of every thoughtful man and woman in this country. It is unquestionably true; there must be a revival of vital religion, the religion which shapes men's lives and makes them realize that the things of this world are transitory, while the things of the next world are eternal.

We must all recognize that without religion as a foundation for civilization all of our business interests would be worthless.

Destroy Christianity as a vital force in the world and not a legitimate business interest would be worth fifty cents on the dollar, and we would soon sink back into barbarism. It is, therefore, not only wise but essentially important that business publications should present to their readers this side of the case, even if they did so from no higher motive than that of saving business itself.

Rarely has the whole situation been more clearly presented than in a recent editorial in the Anderson (S. C.) Mail, which, discussing this subject, said:

"It doesn't take an alarmist to see that our country is at present turning backward in the direction of the 'crime wave' that came on the heels of the great war and which we believed was a thing of the past. And even if it does take an alarmist to see the trend of things, he ought to be hailed as a good fellow, even as we hail the man who digs a storm pit before the storm strikes.

"Our newspapers are filled with revolting stories. Never a day passes without its toll of murder, crime and divorce. The secular press is running over with stories of attacks, assaults, criminal assaults, lawbreaking, homicides, scandals and divorce suits. In New York, on the eastern rim of the nation, we find the police busily investigating the circumstances surrounding the murder of a beautiful actress, whose nude body was found in a bathtub. Murder is suspected, for New York long ago lost its conscience to things of this kind. On the western fringe of the United States we find an internationally known figure, a prize fighter, in jail, held for the murder of a woman with whom he had lived as his tenth wife, although they had never married.

"What this nation needs today is to turn back to the old-fashioned religion of our forefathers. The present-day decadence of morals was not plunged into in one headlong leap, and it cannot be cured in one day or a year. But in a few years this declension can be checked. The repetition of such cases as has focused the attention of the civilized world upon Chicago, can be avoided. Give us a great turning to God in America, and we will see a changed country. Grant to us a widespread religious awakening and quickening of consciences, and a vision of what man's true mission in this world is, and there will be a changed generation forthcoming.

"In other words, 'Give us that good old-time religion,' and the mudsills of our American civilization will be grounded upon a bedrock of faith as unshakable as Gibraltar itself. Give us that old-time religion that will carry our fathers and mothers to their knees in daily family prayer instead of into the country after supper on an automobile excursion, and our future will be one peg nearer an abiding security. Show us an America where the Golden Rule is practiced as well as preached and the Ten Commandments are sacredly kept, and we will present for your inspection a country with:

"Fewer gambling dens.

"Less crime.

"Good law enforcement.

"Better homes.

"More schools.

"Bigger churches.

"More family altars.

"Nobler men and women.

"Obedient children.

"Less disease and

"Grandier civilization.

"If we are dissatisfied with the direction our nation is drifting and we want a better day, we must pray for Divine guidance, for a return of the true spirit of Christianity and closer communion with that 'Good old-time religion.' And that religion must be carried into our homes. It is here that is the base of our next generation; it is here that the axe must be laid to evils of the next generation."

NEW ENGLAND TO VISIT VIRGINIA.

ECONOMIC reciprocity and industrial co-operation between the South and New England are to be further encouraged next month through a tour of Virginia planned by representatives of every state manufacturers' association, chamber of commerce and port-controlling body of the North-eastern states, with the Virginia State Chamber of Commerce as their host. A week will be devoted by the visitors to inspecting Virginia resources and conferring with Virginia business men on the possible development of new sources of raw materials that can be shipped coastwise to New England, to reduce transportation charges.

But, beyond this, the Virginians will endeavor to interest the New England men in the state as a site for new factories and to encourage constructive interest among the visitors on other lines of mutual advantage.

Virginia has much to interest and impress such shrewd, keen business men as those indigenous to New England soil. In the inspection of the port of Norfolk, with the Naval and Army bases, the municipal docks and the great elevator, and Newport News, with its enormous ship yard and the immense coal piers both at Norfolk and Newport News, the development of a profitable coastal trade naturally will come up. The New England men also are likely to find there other business subjects which will interest them.

Following a visit to Richmond, where Southern hospitality will be shown at its best, the visitors are to go to southwest Virginia for an inspection of the coal fields, thus taking them from the seashore and such activities to the mines and industrial plants of the interior. The trip will conclude in the Valley of Virginia, one of the fairest agricultural regions on earth.

Such inspection visits cannot be too strongly encouraged. The North should visit the South and the South visit the North as frequently as possible. Each has much that the other needs, and business between them can be made mutually profitable and pleasant. And the entire nation will benefit almost equally.

HOW LABOR UNIONISM FAILED TO CARRY AN ELECTION.

A LEADING cotton manufacturer of South Carolina in a letter to the MANUFACTURERS RECORD, referring to the recent contest in the Democratic party for the United States Senate, states that while he was in favor of Senator Dial's re-election, he regards the nomination of former Governor Cole L. Blease very favorably. In the course of his letter he says:

"In addition to the endorsement of Byrnes by 'Labor,' a labor paper of Washington, each and every labor-union man in South Carolina received instruction from the national head of his organization to scratch Dial and vote for Byrnes. A large amount of money was spent by Byrnes in both the first and second race, which many believed was furnished by the American Federation of Labor. Notwithstanding this big outlay, Cole L. Blease, former governor of South Carolina, was nominated in the second primary. Blease is a great champion of states' rights, and while the writer was an ardent supporter of Dial in the first race, I feel no hesitancy in asserting that South Carolina acquitted itself well in choosing Blease in preference to Byrnes. Note the attached clipping, 'Sketch of Career of Cole L. Blease.'

"Permit me to compliment the MANUFACTURERS RECORD on the fight against radicalism and socialism. Great pity the South is in political slavery when it comes to national elections; otherwise, the better element of the whole United States could co-operate politically."

The clipping sent by this writer, giving an Associated Press dispatch in regard to Mr. Blease, says:

"Former Governor Blease made his campaign for the Senate on a platform advocating 'states' rights,' enforcement of

the Volstead law and the promotion of education. On every stump he denounced what he called the growing menace of a centralized government taking away the power of the states."

THE STEEL CORPORATION ABANDONS THE "PITTSBURGH PLUS" PRICE PLAN.

THE United States Steel Corporation, American Bridge Company, American Sheet and Tin Plate Company, Carnegie Steel Company, National Tube Company, American Steel and Wire Company, Illinois Steel Company, Minnesota Steel Company and Tennessee Coal, Iron & Railroad Company, through the Federal Trade Commission, have made the following announcement relative to the Commission's order in the Pittsburgh Plus case:

"Respondents, without admitting the validity of said order or the jurisdiction of the Commission to make the same, have determined to conform thereto, and will hereafter conform thereto, in the sale of their various products, in so far as it is practicable to do so.

"Respondents have abandoned the Pittsburgh Plus system, as defined in said order, throughout their various organizations and will not hereafter make use of the same.

"Respondents will not quote for sale or sell their rolled steel products upon any other basing point than that where the products are manufactured or from which they are shipped.

"Sales from manufacturing plants, fabricating plants and warehouses will be made f. o. b. plant or warehouse, or at delivered prices, as occasion may offer. In all cases of sales at delivered prices the contract of sale or the invoice will clearly and distinctly indicate how much is charged for the steel products sold f. o. b. the producing or shipping point and how much is charged for the actual transportation of such products, if any, from such producing or shipping point to destination.

"All f. o. b. selling prices, whether at the mills, warehouses or fabricating plants, and all delivered prices, will be non-discriminatory within the meaning of the second section of the Clayton Act, but will be subject to the variations permitted by said Act."

PUBLICITY BY TAXATION.

THE Journal of Bradentown Fla., states the case very clearly when it says:

"The cities of this state that are spending the most money for publicity are those which are making the greatest gains in growth."

Publicity is the most potent method for town building, and the Journal might have added that it is the most potent power for the growth of all business interests. The cities and states and the individual concerns which spend most freely for publicity work are the ones which are growing most rapidly and accomplishing most for their own progress and prosperity.

The Journal suggests that Bradentown should appropriate municipal money for advertising, because in this way the burden would be carried by all classes instead of by a comparatively few people, who are constantly called upon in every community to foot the bill for publicity.

While the MANUFACTURERS RECORD would not favor commercial organizations being supported in all of their activities by taxation, we do believe that the general publicity campaign of a community should be sustained in part, if not in whole, by a tax on all property. The growth of a city enhances the value of all property, and in no other way can the people who lack initiative and enterprise be reached in the matter of publicity expenditures. In every community there are men who are willing to sit down and do nothing and let the enterprising citizens carry forward the campaign, while all share the benefits and only a portion of the community pays the bill. By taxation for publicity all property bears a proportionate cost of the work which is done and also gets a proportionate share of the progress secured.

Dan Sully Tells the Story of His Cotton Operations.

A REMARKABLE LETTER FROM A MAN WHO LED THE GREATEST BULL MOVEMENT EVER KNOWN IN COTTON.

Los Angeles, Cal., September 10.

My Dear Mr. Edmonds:

Replying to your letter in reference to the origin of my bull campaign in 1903-1904, I will endeavor to give you an outline as to how it originated and the reasons that made me come to the conclusions that it would be one of great moment not only to the cotton farmer, but, if he were wise, to the American cotton manufacturer and myself.

In the fall of 1902 I was convinced, after having made a close and intensive study of all the conditions that were existing then in the South relative to the production of cotton, and also to the enormous increase in the consumption of American cotton that was going on at that time, that it was time for a serious and earnest conservation.

From 1886 I was either studying cotton as an avocation, a salesman or a merchant, and in 1898 it was my good fortune to go frequently throughout the entire South studying the cotton conditions, as well as coming in contact with the merchants in the South from whom I bought for the American cotton manufacturers. At that time the consumption of cotton was gradually showing a tremendous increase through the world. The cotton farmer was obtaining practically 4 cents to 8 cents per pound for his cotton, due to the fact that European spinners were obliged to get cotton at a figure that would allow them to manufacture it and sell to India and other countries that did not have the ability to pay high prices for cotton goods. Therefore, it was essential for the manufacturer of Europe to get his cotton at figures that would allow him to do this, and of necessity he was using every means that he could to bear the price of cotton in its original hands—the cotton farmer of the South.

I also discovered about this time that the cottonseed was not producing its full quota of lint, and therefore I made up my mind to study those conditions for three or four years; that is, if consumption continued at the pace it was going, and the lintage per acre receded at the ratio that it was doing, there would naturally follow, at the end of 1902 or the season of 1903, a void in the amount of cotton that would be existent in the world.

In the fall of 1902 it was conclusive to everybody who knew anything in relation to cotton that the lintage per acre had receded considerably from 1898, and at the close of that year—1902-1903—there would not be enough for the world's wants. This proved conclusively to me that my conclusions, formed in my own mind in 1898 and 1899, were correct. I now made up my mind to take advantage of these conditions, and during the months of March and April, 1903, I secured sufficient cotton futures and the actual cotton to make a corner in May, 1903; and this is an absolute fact, that from the 25th of May until the first of June I had enough cotton futures against which they could not deliver any cotton to put the price of cotton to at least 20 cents or 25 cents per pound. I did not allow it to go over 12 cents. I received in the month of May over 250,000 bales of actual cotton.

When I finished up my May campaign, being convinced that the coming crop of 1903 and 1904 was going to be very materially shorter than the world's wants, I predicted in May, 1903, that the cotton crop of the United States would not exceed 10,500,000 bales, and if the world was consuming on the ratio of 12,000,000 bales of cotton it would indicate to the average mind that cotton had to go higher and some one would get the benefit from these facts if they took the

right method of doing so. And also to prove my predictions, I made bets from May 1, 1903, to December 1, 1903, of at least \$250,000, in units from \$10 to \$10,000, that the crop of 1903 and 1904 would not be 10,500,000 bales.

On the 3d of June, 1903, I sailed for Europe for the purpose of making a survey of the actual conditions in the European centers and discover, if possible, what were the conditions and the prospects they had for the sale of their goods. On my arrival in London I was invited to a luncheon in Liverpool, where there were a number of the large cotton brokers, and they having heard of my prediction that the crop would not be 10,500,000 bales. One gentleman wanted to know if I would bet £1000. I told him I would. And then he asked if I would take another thousand pounds, and I said I would, which made \$10,000 he bet with me that the crop would be over 10,500,000 bales, I taking the small end, as you understand, betting the crop would not be 10,500,000 bales.

I spent nearly three months in Europe—June, July and August—and I discovered that the European spinners had sold goods that would occupy their entire spinning capacity for two years, and against these manufactured goods they had purchased cotton from the cotton merchants, which meant to me and my conclusions that, if they got all the cotton they had purchased from the cotton merchants, they would take close to eight or nine million bales out of the American crop of 1903 and 1904. With this knowledge, and the absolute certainty also that the American crop would not reach 10,500,000 bales, it was a natural conclusion to come to that if they succeeded in getting their requirements the American spinner would be left entirely out, and also, if they succeeded in their usual method of bearing by every possible means during the period when the farmer was marketing his cotton, the farmer would be the sufferer, as he always had been, and he would part with his cotton around 8 cents to 9 cents, when that cotton was worth to him at least 15 cents, 20 cents or 25 cents under the existing conditions.

On my return, therefore, I determined to notify the farmer of the actual conditions, and advise him to hold on to his cotton, and, if he did, he would obtain a price such as he had not received since the Civil War. This information I sent to the farmer by telegram, by personal representatives and by letter. To the manufacturer in the United States I sent a weekly letter stating what I had discovered in Europe and what my opinion of the present crop of 1903 and 1904 would be, and advising him to purchase his cotton early, and also making the statement to him that the export of cotton for that year would be greater than ever was known before, and that the European spinner would take every bale of cotton that he could get, even up to 10,000,000 bales if he could get it.

I want to say here that the American manufacturer and the exporter and the European buyer had made up their minds that I did not know what I was talking about, and that I was simply a gambler, not taking into recognition the fact that I had spent at that time over 20 years in the study of cotton and had been an actual merchant for over 18 years, and that my knowledge of it was worthy of consideration. However, the farmer seemed to take into consideration that I knew something about it, and took advantage of all the work that I was doing in the bulling of the market; and it is a fact that at the time when I started in my bull campaign of October 1, 1903, everybody throughout the entire world was determined that they would have a low price of

cotton, so that I had combined against me factors such as no other human being had to combat. But it did not fease me, because I knew the inevitable law of supply and demand would be more prevalent this year than it had ever been before in the cotton markets, so I went to work with a persistency and determination to allow nothing to daunt me in my campaign; and I will say here that from October 1, 1903, to March 18, 1904, I bought and sold over 10,500,000 bales of cotton, and I would like you and everyone else to know that if it had not been for the future market in its ability to serve my purpose I could not have put up the price of cotton, for it was the buying of this 10,500,000 bales of futures, which was in excess of the actual crop of cotton by 600,000 bales, which enabled me to put the price up against the odds of the entire spinning world—the buyers and factors of cotton.

As you realize, this meant that I had to deal in close to 500,000 bales of futures each day; and it is a fact and a record that all the time I was doing this I never sold myself openly in the cotton ring 100 bales of futures, for the reason that, if I openly sold, it would be proclaimed to the world by wire and other means that I was selling out; so that, while I did all the buying myself, I had to use others to sell the cotton that I wanted to sell, and, of course, I had to do this because I could not buy the whole 10,500,000 bales in one day and carry it. Neither could I buy 500,000 bales in one day and carry it. But what I did do, whenever the market was weak, I bought cotton to a standstill, and when there were those who wanted it more than I did, I saw that they got it. I was then ready the next day to meet their onslaughts with a purchasing power again of 500,000 bales. So you can realize now what a tremendous load I had to carry through this campaign to keep the price of cotton up and fight the world.

In February of 1904—the early part—one Sunday I was called on the telephone by a certain member of a firm who were the largest exporters, shippers and sellers of cotton to European and American manufacturers, asking if I could meet him at the Waldorf where he and his brother were then staying. I went there, and they told me their position and the position of the entire manufacturing world. In effect, it was that if cotton went up 2 cents per pound more—it was then selling practically at 19 cents—it would break them and break every European manufacturer, and they begged me to leave the market alone. I told them that I had nothing whatsoever to do with it, that it was simply a question of supply and demand. But their arguments were that my presence there, and continued presence there, would put cotton in such a position that it would go higher, even though I did not buy another bale, and the outcome would be so terrific that it would be comparable only to a severe panic. After a conversation of over two hours, I said that I would take the matter under consideration.

As I was walking through the corridor after leaving them at the Waldorf, John W. Gates stopped me—a man who knowing of my opinion relative to the market, and who had received many hundreds of thousands of dollars on cotton purchased by me for him, but was never in my secrets or knowing what I was going to ultimately do—took me into Mr. Boldt's office, and this is what he said: "Sully, I am thoroughly convinced now that you are right, and that cotton has got to go a great deal higher. I am ready to join hands with you, put one million or five million dollars into a pool and allow you to manage it and put cotton wherever you desire." I said: "Mr. Gates, I do not think I would be interested. I have always carried my campaign on my own resources and ability, and I do not think at this time that I would care to join in any pool."

During the following week I made up my mind that it

would not be a wise thing to have a financial panic. With every bale of cotton that I had then on my books and not one bale short, I announced to the world that I was going away on a vacation. Immediately the market broke, and telegrams from all over the South came to me asking me not to leave. But I did not alter my determination to leave until Saturday after the market was closed and I was about to leave my office to take the train for Florida, when I received a telegram from a certain man in New Orleans asking me, by all I held holy and by all the friendship I held for him, not to leave the market. I turned back into my office and sent him a telegram that I would not leave. So I stayed, and on Monday, Tuesday and Wednesday of the following week 300,000 bales of cotton that had been held by a pool in New Orleans were thrown upon the market, and I stayed there and took it, or the bulk of it, and by Thursday of that week I had the market back to 17 cents per pound, and then continued my campaign until March 18, 1904. You and the rest of the world know the consequences.

So you will understand now, perhaps, what was the origin of my bull campaign. It was the knowledge that there would not be enough cotton in the world to supply the manufacturers, and if they were allowed to continue depressing the cotton market as they had been for years and years the cotton farmer would not have the opportunity once in many years to obtain the real fruits of his labor, and I determined to do everything in my power to further their interests and ostensibly my own.

The cotton farmer during this period between October, 1903, and March, 1904, was receiving from 18 cents to 25 cents and 30 cents per pound for his cotton, while futures never went higher than 20 cents.

Look up the crop of 1903-1904. Look up the exports of 1903-1904. Compare prices of standard goods March, 1903, and the same goods 1904, and the following ten years. Compare prices of cotton to the farmer 1903, 1905, 1906, 1907, 1908, 1909 and 1910.

Who, in your judgment, received the most permanent advantage from my campaign—the manufacturer or the farmer?

The crop of 1903 and 1904 was 9,980,000 bales of cotton, and my bets were made in 1903 that the crop would not be 10,500,000 bales.

I have always been a student of the effect of psychology, but up to the present have been unable to solve the following psychological problem: What was the reason for the many persons who made bets with me on the crop not paying me?

They were all cotton men in some sphere of cotton—North, South or Europe. Not one individual ever paid me one of the bets, and the merchant who made the bet in Liverpool and put up his \$10,000 with mine applied to the courts of England for the return of his \$10,000 on the ground that it was a gambling debt, and the English court decided in his favor.

Yours very truly,

DANIEL J. SULLY.

P. S.—I have just finished reading J. S. Wannamaker's story of Martin Dantzler, the South Carolina negro philosopher, and am much interested in his prediction for this crop; and while I realize his wonderful ability and knowledge of cotton, I feel that he is too high, and my predictions for this crop is less. My estimate is 11,000,000 bales, and I have no more financial interest in cotton than my friend and fellow-estimator, Martin Dantzler.

This had to be done in a great hurry so I am going to put the E. O. E. on it. The first invoice I made out for 100 bales of cotton in 1886, the boss told me to put E. O. E., meaning errors and omissions excepted, and I have not forgotten my first lesson.

D. J. S.

West Texas Mountains a Wonderland of Beauty.

MOUNTAIN PEAKS 9000 TO 9600 FEET HIGH AND OVER—A GREAT SYSTEM OF STATE PARKS BEING ESTABLISHED THROUGHOUT TEXAS.

Wild Game Abundant and Streams Filled With Fish—Marvels of Newly Discovered Carlsbad Cavern—Great Ranches With All Modern Comforts.

By VANCE FRATHER, Member, Kentucky State Park Commission, National Conference on State Parks.

No single achievement in state park development within recent years can match, in my judgment, the junket undertaken by Governor Pat M. Neff, the State Park Board and the Texas Highway Commission, leaving San Antonio on July 14 and continuing until July 26. When the governor of a great state like Texas leaves his office and goes out preaching parks, and nothing but parks, to the people of his state, then parks, like persimmons, are bound to fall. And they did fall, fifteen of them, varying in size from 15 acres to 1000 acres, in the most picturesque, rugged and scenically beautiful wonderlands of the great Southwest. In March of this year Governor Neff made a similar trip with his State Parks Board to South Texas, and this junket netted 14 tracts. The third itinerary

I have been actively engaged in state park work for the most part since 1916. Great areas have been won since then for state park sites, but this is the finest example of concrete and definite campaigning, along practical lines, that suggests itself. As a net result, Texas has to its credit 29 beauty spots, of every size, acreage and description. When the State Legislature meets in January at Austin the total is expected to be nearer 50 to 55, and that is going to be a lot more than Michigan has, and Michigan headed the list with 30 when the National Conference on State Parks was convened at Gettysburg, Pa., in May of this year.

Not once did the Governor mention politics, or tax reduction, or any other problems of state government on his tour.



GUADALUPE PEAK FROM A DISTANCE, SHOWING THE REMARKABLE LIMESTONE FORMATION.

is being mapped out to north Texas, and the fourth to the Caddo Lake region, centering around Marshall, Texas, will be staged late in October.

So earnestly did Governor Neff exhort his people, and so faithfully did he portray the need of setting aside scenic areas now, to be enjoyed by all of the generations to come, that when the trip ended everybody conceded him to have achieved a veritable triumph everywhere. Nothing like this junket—or the preceding one in March—was ever before undertaken by the governor of a state in my knowledge, and

He preached only one subject, "Parks," and he stuck to his subject. As a result, the people, irrespective of personal or political like or dislike, flocked to hear him. And it ought to be mentioned here that at one point of the itinerary, at Van Horn, he was introduced by the chairman, Judge J. C. Hunter, as "The Hon. *Parks* M. Neff."

The caravan had hardly started when, at Boerne, the first scheduled stop, a beauteous tract of woods, water and ravine was presented by three colonists there—Charles Graebner, Albert Kronosky and Dr. J. F. Nooe. This tract immediately

was christened the Hallie Maude Neff State Park, in honor of the Governor's daughter, who accompanied the party on the entire trip.

It should be made clear, by way of explaining the Governor's junket, that his real objective was the Davis-Guadalupe Mountain ranges of Texas, also the newly discovered and newly opened Carlsbad Cavern, lying partly in Texas and partly in New Mexico. Nearly all of the Guadalupe Mountain peaks stand in Culberson county, Texas, and four of them rise to a height of more than a mile. Guadalupe peak, 9500 feet; Victoria peak, 6432 feet, and Apache peak, 5886 feet, are the three highest. Tabernacle Mountain, 5500 feet, and Triple Hill, 5250 feet, are in Hudspeth county, and to these may be added, in the Guadalupe group, Three Mile Mountain, 4845 feet, in Culberson county—as are all of the three highest. Here the Governor desires a national park of pretentious size and acreage. In the Davis Mountains, lying for the most part in Jeff Davis county, are: Baldy Peak, 8382 feet; Sawtooth Mountain, 7748 feet; Black Mountain, 7550 feet; Blue Mountain, 7330 feet; Timber Mountain, 6442 feet; Newman Peak, 6400 feet; Star Mountain, 6350 feet; Casket Mountain, 6180 feet; Boracho Peak, 5661 feet, and Mitre Peak, 5500 feet. Here, also, the Governor wants a national park, commensurate with the environment.

What the Governor of Texas really wishes is a state park for every 100 miles of the journey through the state. That is an ambitious undertaking, but he believes it can be done. He wants camp sites, where the tourist may know that he is

squatting on land owned by the state of Texas, and so "sleep under the twinkling stars and the bending sky, at peace with himself and with all the world around him."

It is worth while stating briefly how Governor Neff received the inspiration for his great work in behalf of state parks. When his parents first moved to Texas in 1852 they settled on a little tract of eight acres in Coryell county, on the banks of the Leon River. This became the Neff homestead and a popular gathering place for picnickers, who were always welcome. Shortly before his mother's death she told the Governor she wanted to deed those eight acres to the people of Texas for all time, to be used for educational, political, social and religious purposes, and directed that the place be fixed up as a beautiful park. This is how the work began.

Now, what does one find in these Davis-Guadalupe Mountain ranges? I have taken the most authentic figures I can find in giving to Guadalupe Peak, old "El Capitan," an elevation of 9500 feet, but there are some geologists over in the mountains who place it nearer 9900 feet, and one of these latter is Dr. Willis T. Lee, of the National Geographic Society (Geographic Magazine), who has been at Carlsbad since April and who will be out there until October. Dr. Lee is making maps, charts, photographs and collecting all the scientific data obtainable on the new American wonder. He thinks Guadalupe Peak is nearer 10,000 feet than 9500; so, let's split the difference and call it 9900. Old Baldy Peak, or Livermore, is perhaps nearer 9114 feet than the 8382 feet elevation with which it has been credited.

One finds in the Pine Canyon and in McKittrick Canyon, Guadalupe Mountains, the large black-tailed deer—there are



LOOKING UP McKITTRICK CANYON FROM THE GORGE.

no white-tail deer west of the Pecos River—mountain sheep, the large black bear, weighing often as much as 600 pounds; the black and bald eagle, the tassel-eared squirrel—one of the prettiest animals of his species—and both the American and Mexican quail. Texas is on one side of McKittrick, and New Mexico territory is at the mountain top that divides the two states. Water from 18 springs runs over solid rock

stone house, with water from the mountains running all around it, cooling the milk crocks and watering the fruit trees and vinery below—to Guadalupe point, with its Pine Springs, surrounded by a four-sided stone wall and water gushing out in an endless stream. Here a barbecue of beef, mutton and goat is served. A dinner in this altitude, 6500 feet, or 1220 feet more than a mile high, is like "dining on



STANDING ON SIGNAL PEAK, 9600 FEET, THE HIGHEST IN TEXAS.

In front of the figure is Guadalupe Point.

in the canyon, which is 15 miles long, dividing into three prongs, and needing only a few dams to be stocked with fish, and so swimming pools, along the camp and tourist sites. And here the Governor would create a great national fish and game preserve if he had his way with the Congress and the Interior Department at Washington.

Water sometimes disappears from the creek bed of McKittrick entirely. But it is only running under the rocks, and comes out again farther down the rocky bed. Camp Fire Girls, from Carlsbad, came into the canyon two years ago, with the permission of the owner, Green McCombs, rancher, cattle and goat raiser, who was the host to the Texas party, and these girls promptly named the shady retreat "Camp Yappy." And so it has ever since been called. Up above the camp the bald eagle swoops down every little while on the unoffending deer and digs his talons so deeply into its hide that the deer is obliged to run for cover in the brush, remaining there, camouflaged in the rock and brush until his enemy is out of sight. Col. W. F. McIlvain of the Carlsbad Chamber of Commerce and J. U. Falke, a merchant of Carlsbad, tell that often, when perched on an eminence overlooking the canyon, with a 30/30 rifle in hand waiting for a chance shot, they have seen this unequal, sometimes to-the-death, struggle between eagle and deer. So there's life in the canyon as well as mountains above it and water below it.

One goes on, past Frijole ranch—a truly charming old

top of the world." And here Capt. H. D. Slater, publisher of the El Paso Herald, tells the vivid story of the Old Butterfield Trail, which once ran along the foot of the peak, carrying the mail from San Antonio to San Francisco.

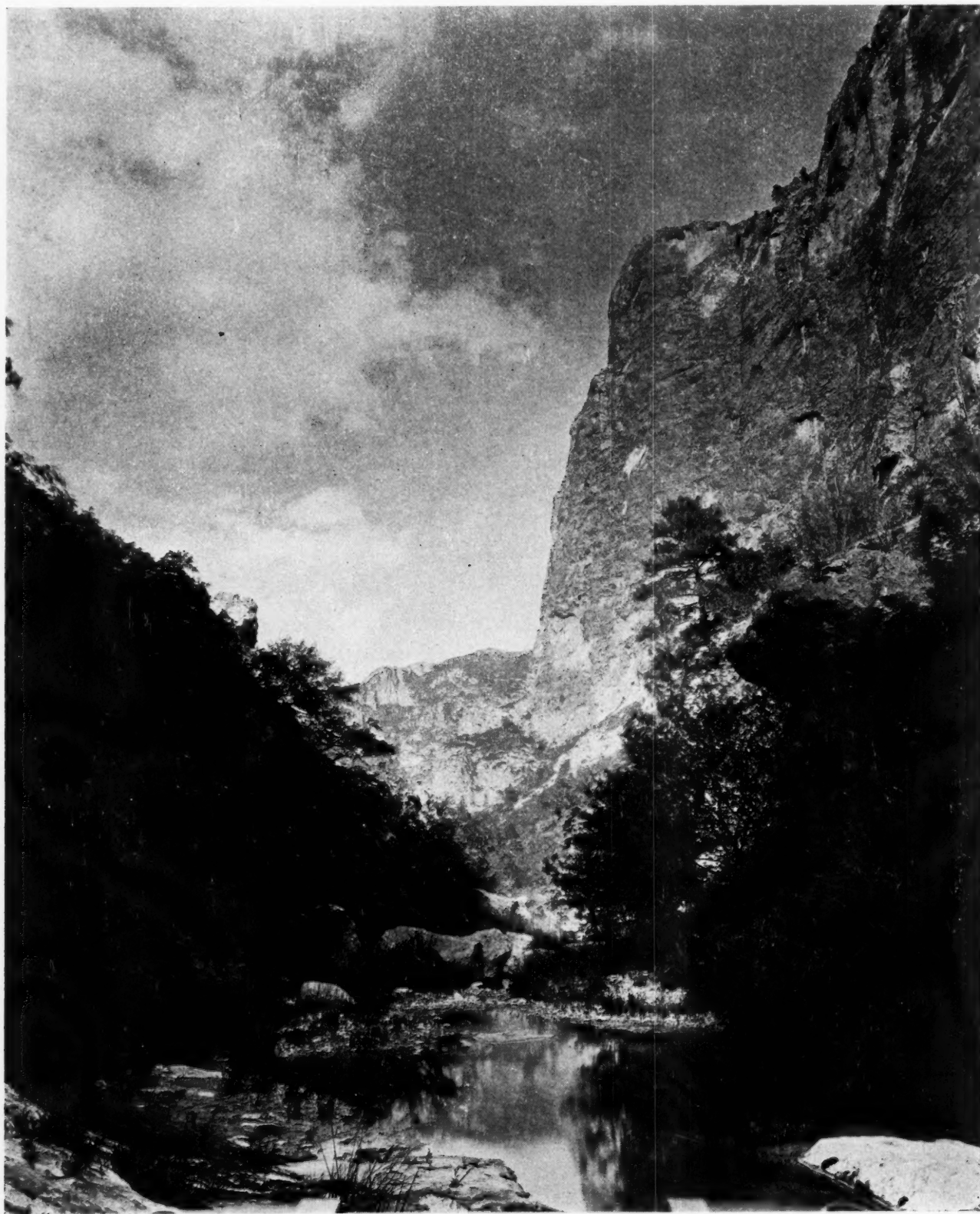
In the McKittrick one finds the mistletoe berry on which the deer feed, sumac, wild cherry, mountain oak, mountain maple, the century plant blooming each seven to nine years, cedar, wild grape, walnut, manzanita, juniper, ash and ferns in endless profusion. The bear feeds on the berry of the Manzanita in the fall, and here he is content. Here, then, is the nucleus of a great game preserve, a great fish hatchery and a great tourist camp.

In any direction are slopes of fine verdure, and on the farther side of the canyon are great forests of pine and spruce. So the big game can stay on there forever if either the nation or the state will give them some sort of protection as it does the forests. In the early days the camps along the McKittrick had no fire protection; now it has the double protection of the United States Forest Rangers and the Texas Rangers. The sotol of the canyon, when fully matured and headed up, provides not only an excellent food for the grazing cattle, but it also is a very good fabric, stripped of its burr, for weaving into the sombrero that the Mexican wears.

Wild grape, as well as pine nuts, provide food for the bear when he comes down the canyon before hibernating for the winter. The black bear sometimes, when hungry and lean,

will kill a calf when he can get it; but ordinarily, he's a vegetarian, he's lazy, and he does as little work as he can without resorting to the slaughter. You find strawberries at Frijole ranch, in these mountains, in sight of Old "El Capitan," and the good wife of J. T. Smith, who runs the wayside postoffice for the ranchers around Frijole, puts up nearly every kind of fruit from the orchard, including, this year, an even 100 quarts of the finest cherries.

"Guadalupe Mountain Park," as Chairman D. E. Colp of the Texas State Park Board, wishes the Guadalupe tract to be known, was shown in all its beauty to the Texans by Judge J. C. Hunter of Van Horn, a park enthusiast par excellence. Judge Hunter is a man of affairs, a banker, rancher, a good roads builder—he had men out 30 days ahead of Governor Neff's party blazing a trail into McKittrick and Pine Canyons—and a most delightful host. He met



SITE OF PROPOSED STATE PARK.

Looking toward Guadalupe Peak from the gorge of McKittrick Canyon in the Guadalupe Mountains.

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PIPE ORGAN MOUNTAIN, ONE OF THE VOLCANIC MASSES OF THE CHINATI MOUNTAINS, WHICH FORM THE EASTERN WALL OF PINTO CANYON.

the Texans at Pecos, trailed them 95 miles with a "chow" wagon, and followed the caravan with a "trouble wagon," on which were carried gas, oil, tools for punctures and repairs, and two first-rate Mexican auto mechanics, ready to pick up and fix any car in distress. He had his mechanics stationed at little fords on the way in and out of the canyon, stopping each car as it came by and replenishing the water in the radiator.

Such hospitality is found here and there in the West even to this day, but Judge Hunter's kind is hardly to be excelled anywhere.

At Van Horn Governor Neff delivered one of his most inspiring addresses; Maj. Gen. Robert L. Howze, the commandant at Fort Bliss, spoke; also Dr. Willis T. Lee of the National Geographic Society. Here, too, appeared Oliver B. Webb, representing President J. L. Lancaster of the Texas & Pacific Railroad. Its worth while chronicling here what Mr. Webb said on the subject of parks after traveling two days and nights with the party from Pecos:

"We believe in state parks. We're out here to work for them, to take off our coats, if necessary, and fight for them, and we're willing to help pay for them. The railroads of America are coming to believe that if they help to build the country their lines serve, business naturally will follow. That's why we're out here, and that's why my railroad is going to spend a lot of money telling our patrons what you've got out here in Texas and New Mexico for them to see."

Another railroad man, who came all the way from Chicago by direction of his company, was Publicity Director W. H. Simpson of the Santa Fe.

Carlsbad Cavern is 15 miles in length, part of it in Texas and part in New Mexico. There's one room—the Great Room, or the Big Room—that's sixteen of the longest city blocks long and four city blocks wide, and its recesses never have been explored by human beings. There's an "Organ Room," and the pipes of the organ are the stalactites whose points

give off a most musical sound when you tap them ever so gently; there's a "Music Room," all silvery and shimmery; a "Papoose Chamber," a "Coyote Den," a "Little Red Riding Hood," sitting atop a rock, with her arms folded gracefully over head; a "gyp," or gypsum, pool and a clear, pure water pool, separated only by inches, side by side, and innumerable founts and wells of water so pure and so cool that you would like to drink them dry as you go your hazardous way through wonder after wonder, lighted only by the blow-torches of the guides. And down at the very lowest point of the Cavern, estimated to be 800 feet below sea level, you come to the King's Palace." And here you find, lighted up by many brilliant gasoline lanterns, a little company of young men and young women from the Carlsbad Chamber of Commerce, serving steaming hot coffee and delicious sandwiches.

Just now the method of getting into the Cavern is crude, even primitive. The old freight hoisting bucket, which carries only two persons at one time, standing upright and holding on to the cable for dear life, as you are let down 182 feet by gasoline lift, is rather inadequate to take care of any large influx of tourists. But with the installation of even a small modern lift elevator the Cavern will be made far more accessible.

When Jim White discovered the cave, a little more than 20 years ago, he did not dream that it was destined to be the eighth or ninth wonder of the world. He operated the freight hoist for the profit there was in it. And there was a nice profit in the sale of bat guano, which now brings \$30 a ton at the cave and as high as \$150 a ton in California, where the citrus growers are using all they can buy to fertilize their fruit ranches.

Jim White found and removed one deposit of bat dust, or guano, that was 80 feet high to the dome of one cavern and about 40 feet across. After he got beyond the bats and began to prospect a little farther he found there was seemingly no

end to the Cavern. As stated, the accepted figure shows its length to be 15 miles. It may be that many miles longer. The Texans believe there is an opening somewhere on the Texas side, and if there is none to be found then Texas will tunnel into the Cavern from Texas territory, build a highway to take care of auto traffic, and operate its side either as a state or as a national park.

When the governors of the two states met on the little bridge at the W. E. Washington ranch, they mutually pledged their word that a joint highway would be built and maintained by their respective states as a state highway. "Texas stands ready to meet New Mexico at the border line to build the Carlsbad Highway," said Governor Neff. "I have been here only a few minutes, and it seems to me that Texas is running this end of New Mexico," the Governor added, rather facetiously.

Governor Hinkle introduced several of the speakers, among them Maj. Gen. Robert L. Howze, commandant at Fort Bliss, near El Paso; Dr. Willis T. Lee of the National Geographic Society; Judge J. C. Hunter of Van Horn; Oliver B. Webb, representing President J. L. Lancaster of the Texas & Pacific Railroad; W. H. Simpson, assistant general passenger agent, in charge of publicity, for the Santa Fe Lines, Chicago; Congressman Morrow, of New Mexico; Adrian Poole of El Paso, one of the good roads pioneers of southwest Texas; Col. D. P. Bujac of the staff of Governor Hinkle;

Texas, but because the American people ought to see it—it has been open to the public only since the first week in June of this year—and because the European tourist will see it if Texas do not.

"You are too close to these wonderlands around you to appreciate them," Governor Neff said to one of his audiences along the way. And he was right. I happen to know an able Kentucky editor, born in the county adjoining Mammoth Cave, and now publishing a successful daily newspaper at Paducah, Ky., who never has seen the inside of Mammoth Cave, Ky., unless he has been there since June last year.

Governor Neff's party reluctantly left Carlsbad Cavern and the McKittrick and Pine Spring Canyons with the prophetic words of Judge Hunter ringing in their ears:

"That canyon is doing its best to impound the water so that we may have fish hatcheries. I hope the majestic beauty of McKittrick Canyon will be unheralded no longer. A highway from Van Horn to New Mexico has been assured by the Highway Commission of Texas. That ought to help the tourist to reach Carlsbad and the McKittrick all in one day's time."

From Van Horn the Texas contingent went to Fort Davis, and for two days they saw, and drove around and through, the mighty peaks of that range. They rested at the Limpia in old Fort Davis. Here, on a beautiful Sabbath afternoon,



ENJOYING OLD-FASHIONED BARBECUE IN GUADALUPE MOUNTAINS, MORE THAN A MILE HIGH.

Major R. F. Burgess of El Paso, and others. And it was Major Burgess who made this significant and timely statement:

"Carlsbad Cavern has brought the governors of two great Commonwealths here today. There ought to be a tunnel leading into Carlsbad. It ought to be lighted by electricity for most of the distance. Congress was asked to give \$5000 to the Cavern, and it gave it. But that sum was inadequate."

Here, in a nutshell, is the real summing up of Carlsbad Cavern, its needs and its possibilities, and Major Burgess had done it better in a speech of five lines than most newspaper paragraphs could have done in 5000 words.

We have dwelt at this length on Carlsbad Cavern, not only because it was the high spot in the itinerary of Governor Neff and the Parks Board and Highway Commission of

Governor Neff said, among other fine things apropos of the general subject of parks:

"It is just as noble to live for your country and serve your country in time of peace as it is to die for it in time of war. We have been out in the state as 'Park Crusaders' and patriots, and our friends are finding so much to make them proud of their state. Texas is six times the size of New York. Every man, woman and child on earth could come to Texas, and we could give each a good-sized lot. You could leave Texarkana, Tex., for San Francisco, and when you reach El Paso, Texas, you would be halfway there. Texas last year produced 47 per cent of the cotton of our country. Texas is first in area, first in agriculture. The largest wheat exporting port in the world is at Galveston. Houston is the second in cotton exports, down its 30-foot deep waterway. Port

Arthur is the largest oil-exporting point. Uvalde is the world's largest honey market; Junction the largest pecan market; Fort Worth the largest calf market; Dallas the largest machinery market. And last year enough onions went out of Texas to flavor the salad and perfume the breath of every citizen. The building of good roads is a part of the civilization of our day. Parks and good roads go hand in hand. I am for both! If you haven't traveled in Texas, you never will know the beauty spots in this state. When we serve humanity, we serve God, and I have no scruples about talking parks on the Lord's Day."

Up Indian Trail next morning, always in sight of old Mitre Peak, whose rounded dome shone resplendent in the sun; past Haystack Mountain, and with the Sawtooth Mountain, 7748 feet, and Blue Mountain, 7330 feet, and Black



"WHAT TO DO NEXT" WITH THE HEREFORDS.

Mountain, 7550 feet, always in sight, a climb of four miles, as the trail ran, to the mesa, or plateau, the Governor's party sat down to another Texas barbecue 6050 feet above sea level.

Here's the wild-apple. There's the century plant. And if the people of these Davis Mountains can preserve the century plant against vandalism until it blooms and blossoms out, then the people of every state in the Union might preserve their wild flowers and shrubbery for one year at least so they might expect a bloom or two when spring came around again—provided, of course, that the wild-flower hog hadn't filled his auto in the meantime. What a lesson in conservation is this sight of the Texas century plant! And, along those lines, may we not add here the slogan just sent out broadcast over the state by the Houston Rotary:

"Help make the outdoors beautiful. Spare the wild flowers and birds. When picnicking, remember to clean up your camp. Put out your fires. Think of those who follow you."

Thousands of those metal signs, about 2½ by 3½ feet, black letters on an orange background, are going everywhere in Texas, "where wood grows and water runs," as the Governor might have added. And it's the best sermon on conservation that I ever saw.

On the plateau above Fort Davis the Governor was introduced by Dr. Benjamin F. Berkeley of Alpine, who will be the leader in parks legislation in the State Senate at Austin. Iron-weed and white thistle nodded on their stalks in graceful salute as the party was "barbecued." Old Mount Livermore, ten miles away—9114 feet, not authoritative—could be seen from the mesa and below from the ranch of the Reynolds Cattle Company, at Fort Worth corporation, with holdings of 400 sections, 256,000 acres, in Texas.

Here, at Rock Pile ranch, where great clusters of boulders—some of the individual ones weighing thousands of tons—reared their frowning summits, the party stopped, awed by the majesty and surrounding beauty of the spot. W. D. Reynolds, Jr., who, with his father and his five brothers, operates

the Reynolds ranches at Rock Pile and elsewhere, carries a pocket barometer which shows "Rock Pile" to be 6200 feet above sea level. The Reynolds brothers—W. D. Reynolds, Jr., Joe, Watt, Eaton, John and Nathan—have "ranchd" for 30 years. We haven't seen the other Reynolds holdings in Texas, but our judgment would be that W. D. Reynolds, Jr., has picked out the most picturesque spot to be found anywhere in the Davis or the Guadalupe Mountains.

What a monument old "Rock Pile" would be to his father and his mother, both of whom still are living at Fort Worth! We told W. D. Jr. what a fine state park Rock Pile ranch would make when the Herefords were all fattened up and gone to the Chicago stockyards. Perhaps he'll make a monument, a shrine, there to his old father and mother when they go on to another rock—the Rock of Ages. And I am going to trust that one day I'll get a letter, postmarked Kent P. O., Tex.—that's his postoffice—telling me that W. D. Reynolds, Jr., has done the very thing I am hoping he will do. Why, there's an old elk there now at Rock Pile as gentle as could be, and a cowman "rustled" him up, with a bellowing Poll Angus calf going on ahead, to show the way so that the Governor and his party might see what an elk looked like in the open. A game preserve at Rock Pile, with a state park all around it, did you ask? Why, nothing better could fall into the hands of the Texas State Park Board than this.

There are other ranches in the plateau below Rock Pile ranch and Rock Pile Mountain that you ought to know about. Past the cardencia, or horny cactus, and past an occasional lonesome pine, mesquite and scrub oak, the caravan of autos wended its way to the Odie Finley ranch, managed by George Jones, 5400 feet above sea level; the Barrell Springs ranch of J. B. Gillett, on the Old Stage road—the Butterfield Trail—from San Antonio to San Francisco, when Texas was a republic. And here J. B. Gillett, who was six years a Texas Ranger, has created a great billboard sign calling attention to his blooded Hereford stock, and the concluding line of the sign reads, "Prepare to meet thy God." Captain Gillett—



TYPICAL COWMAN OF REYNOLDS RANCH.

he was a sergeant of the Rangers—gets his title from his service as the marshal of El Paso. He is past 60 now, and his son, Milton Gillett, runs the ranch.

The Parks Crusaders ride on to the home of Bill Jones, a 14-room mansion of native granite blocks, nestling in this mountain valley; a house whose every room has a granite vault for the safe deposit of the family jewels, plate and valuable papers; a house surrounded with its own vine and fig tree, with roses growing in the front terrace and melons in the back garden, and around are all the blooms of summer. Spreading cottonwoods—you do not see many spreading cottonwoods down this way—shade the house from the burning sun; there are five windmills to pump the water for flower garden, trees and vegetable garden, and just outside the fence you see a long, straight row of cottonwoods, with a hydrant at the

base of each, to give it the "individual" water treatment.

On another day we saw the Willis M. and Bennett B. McCutcheon ranches, between Fort Davis and Balmorhea. These brothers together own 300 sections, 192,000 acres. Both have fine homes; both are rated as millionaires.

Then again, we saw the Herbert Kokernot, Sr., and the Herbert Kokernot, Jr., ranch—the old P. H. Prewitt ranch—a few miles out of Alpine; and here, also, is luxury in the midst of frowning mountain ranges. Here is a swimming pool, nine feet deep, made of concrete slabs and made watertight by three or four bands of steel girders, completely encircling it and holding the slabs together as if in a vise, a splendid piece of dovetailing.

You'd never expect to find luxury like this in the mountain ranges of Texas, nor would you expect to find within the

believe existed unless you came down here and saw it all for yourself.

At Marfa, the next stop, the officers of Camp Marfa came out, all resplendent in their showy uniforms, with the touch of the cavalry yellow. Judge K. C. Miller, who is doing some geologizing in the Davis Mountains, and a hunter of note, was the generalissimo here, introducing the chairman, H. O. Metcalf, who made a really notable address. The citizens wished the Governor and his party to visit Pinto Canyon and to inspect it with a view of having it included in state parks system. Neither he nor any member of the board had ever heard of this canyon and their schedule did not permit time for an added trip; but as the people of Marfa were insistent, they finally detached W. H. Lewis of San Antonio and Hobart Key of Marshall from the party and instructed



CLOSE-UP VIEW OF GUADALUPE PEAK, 9500 FEET HIGH.

walls of the house a charming hostess whose purse is open to the church and to charity, and who, with her husband, is a liberal giver to Baylor (Baptist) University at Waco, where the Governor had his law practice before he became governor. You'll sleep in a special guesthouse of concrete if you go to the Kokernot ranch, and all around you, in the guestrooms, will be the hides and skins—some mounted—of animals that have been killed within gunshot of the mansion. You'll find strawberries, rhubarb, carrots, beets, lettuce and a lot of other vegetables in the back garden. Pecan trees, with a flock of young turkeys running about to feed on the wind-falls, are everywhere. And flowers? You never saw so many. Such is the Texas ranch life of today, a life that you couldn't

them to go through the canyon and report upon it to the Park Board. The following extracts from their report indicate that under the guidance of N. L. Casner and Judge Miller they found a very great deal:

"Traveling south over a very good county road, the great plateau gradually rises until about 31 miles south of Marfa it is suddenly cleft by the deep gorge of the Pinto Canyon. The effect is really startling, as the gradually ascending plateau has heretofore concealed not only the canyon but also the great and rugged mountains which bound it on either side. Even the old-timers stop here to take a deep breath and a lingering look at the wildly beautiful country ahead before continuing down the typical mountain road which drops

some 1500 feet in the first one and one-quarter miles. It is just before starting down this bit of roadway that Mr. Casner remarks that his brakes have been slipping for several days and that he is sorry he overlooked having them tightened, and then has a good laugh at the travelers' expense after they have promptly decided to walk.

"Pinto Canyon takes its name from the beautiful coloring of its rocks. The mountains are of volcanic origin and the colors range from the brilliant to the most delicate mezzotints. The first location for a state park was made at the point where the road first crosses Pinto Creek. Here there is a beautiful stream of ever-running water, timber, shade and ample camping grounds * * * a crumbling adobe hut which for many years served as rendezvous and stronghold for bands of horse thieves and cattle rustlers.

"Opposite Pipe Organ Mountain another state park site was selected, but long before the canyon opened out toward the Rio Grande the representatives of the Park Board had determined to spare no efforts to have the entire canyon area included in one great park, and under a plan advanced by Mr. Casner and Judge Miller there is now an excellent prospect of the achievement of this goal.

"Chinati Peak, which terminates the Chinati Range near the Rio Grande River, is the highest mountain in this area. Though its actual height is given at 7730 feet, it rises from a comparatively low country, and its real bulk,



HERDING THE HEREFORDS IN SIGHT OF DAVIS MOUNTAINS.

from base to summit, will dwarf that of many mountains of far greater altitude."

At Marfa the Governor told of the man who first saw the vision of a Central Park in New York. "He ran for Mayor," the Governor said, "on a parks platform, and he was the laughing stock of the whole city of New York. But he put his proposition over and he was elected. The people of New York paid \$200,000,000 for Central Park. It's worth billions now in a city where land is sold by the square inch. I do not believe that the Creator, who dotted Texas with beauty spots, ever intended that the people of one generation should enjoy them and then destroy them. Your descendants 1000 years from now, the children of men, should enjoy them. You would not need good roads for loping, fox-trotting 'cow ponies.' But times are changing, and we must keep pace with the time if we hope to make progress. Texas has the greatest number of autos of any state in the Union. Our people have become a traveling people. I make no apologies for going out of the Governor's office for two weeks and begging the people to donate state parks to their state. We haven't a dime to pay for them. This junket is not costing the state of Texas one penny. Every member of it is paying his or her own expense. In the name of posterity, in the name of the children of men, why not set aside these park tracts now?"

Summing up the state or National park possibilities in the Davis-Guadalupe Mountains and at Carlsbad Cavern, one may do it best, possibly, in the language of Dr. Willis T. Lee of the National Geographic Society, who is traveler, scientist and writer of no little renown, also representing at these park conferences in the mountains the National Park Service by direction of the Hon. Stephen T. Mather, director. Dr. Lee said:

"You want now a cold, scientific statement of what Guadalupe Mountain amounts to. I know of no place in America where you can yet so broad and comprehensive a view as you can from Signal Peak (Guadalupe Mountains). I am told that at night you can see all the way to El Paso, or a distance equaling that from El Paso to the Gulf. I say of Carlsbad: Here is a cavern that is unequalled in the world. In determining national park sites we must take two factors



BRANDING THE CALVES.

into consideration: (a) the area must be up to grade, and (b) the scenery must be distinctive of its kind. In Guadalupe you have the greatest limestone formation that I know of anywhere in America. So I am urging that you have a national park there instead of a state park. Create your state park first and we will take it away from you, and then we will make it available to the rest of the world, with good highways."

Governor Neff's party traversed the west prong of the Alto Frio Canyon on the last day of the tour, and that is another



PALO DURO CANYON.
Site of one of the proposed state parks.

Texas beauty spot that one cannot pass over lightly. So rugged, picturesque and sublimely beautiful is this canyon that one ventures to predict that the National Park Service will be "sold" on it at sight. In traversing the Alto Frio you drive over rocks and through water for several miles to the very head of the canyon itself. There, gushing from every crevice in the rock and running over a ledge, or shelf, of rock that looked almost as level as a billiard table, you

may see quite clearly and unmistakably where the Frio River has its beginning.

The route covered by the Governor's party lay, for a mile or two, through two, and not to exceed three, inches of water rippling, gurgling, singing, splashing and laughing its way to



RIDING OUT TO THE DAY'S WORK ON THE RANGE.

the sea. Above, on either side, were the frowning cliffs that once sheltered the Indian. Here he had sketched crudely on the rock something of his life and daily vocation, and here you will find today characters, either carved or painted, in the walls, representing the "Indian in the Moon," the "Lone Sentinel with his Rifle," and similar hieroglyphics. High up, at the very edge of the cliff, are thousands of wasps' nests. The swallows are gone, though what an abode for a swallow or a martin it would be! But the wasps are in the majority.

You can lay a spirit level against the white seam, or strata, in these cliffs and it will run true and straight for a hundred or more feet. Yes, the Alto Frio Canyon is beautiful, rugged, picturesque, and no tourist who travels southwest Texas should miss it going out of San Antonio toward Uvalde, Utopia or Leakey. Fish are there—bass, trout, perch, catfish and sunfish. And at the head of the canyon, where the water forms a deep pool as it falls, you may see fish swimming close enough to you to hit them with a rock.



A CAMP IN PALO DURO CANYON.

On the way from Utopia to Bandera the Governor's car drove past two flocks of wild turkeys, and two red squirrels dashed agilely out into the road and up a friendly tree. Two or three flocks of quail showed themselves, crossing the roadway. Hunting in these mountain plateaus and mesas in the regular season yields big game and little game alike.

Just out of Van Horn, in the direction of the Guadalupe Mountains, are plenty of deer and panther, also the mountain

sheep, which inhabit crags all to themselves. In the Diablo, or Devil, mountain, in Culberson county are ranges of colorful formation. One sandstone block stands out by itself 500 feet high, 1500 feet long and 600 to 700 feet across. Here is the mountain sheep's real heaven, a refuge and a fortress, away from the attacks of his deadly enemy, the panther. That is why they seek out and inhabit these almost inaccessible places, graze, live and rear their young there. Any tourist who travels to Van Horn, which is the southern gateway to Carlsbad Cavern, should not miss a tour through the Diablo. Driving with R. B. Thomas of Fort Worth and Strawn, Texas, who donated a rugged boulder tract of 60 acres to the state, lying in the Diablo ranges, a fine specimen of the bald eagle, looking easily five feet from tip to tip—Mr. Thom-



ARMY SUPPLY TRAIN ASCENDING ROAD AT HEAD OF PINTO CANYON.

This road drops 1500 feet in the first mile and one-quarter.

as said his wing spread was nearer six feet—rose and set his slow, majestic flight in the direction of Old El Capitan. Out here it would seem that the eagle should have his life, since he is the reigning monarch of the air, but now and then a bounty is offered for him, dead or alive. He's on our currency, our greenbacks, our state standards and a lot of our letterheads; but men will pursue and shoot, wound or kill him for the mere diversion it affords. He looks better alive and on the wing than stuffed or over a fireplace or over some lazy office man's desk. And he never has any engine trouble when he flies.

Mr. Thomas was the host at a bounteous Sunday morning breakfast out of Van Horn. He said he had in mind giving to Texas 40, maybe 45, acres beyond Old Diablo. But when the breakfast was over and the chairman, Dr. Benjamin F. Berkeley of Alpine, called the assemblage to attention, Mr. Thomas made it 60 acres. And Governor Neff said in response, accepting the gift:

"Mr Thomas today has erected his own monument. Some men go through life getting out of it only three meals a day and a suit of clothes. This monument, kissing the lips of God, will be for all time!"

Governor Neff must have made forty, perhaps more than forty, speeches all told, on the 2132-mile journey, covering 25 counties and 22 county-seats. But in all the speeches that I heard I have never heard anything finer than this on the subject of parks.

Coming out of Van Horn, down the Lobo Valley, one sees the Chinati Mountains, with Capote Peak and Gettysburg Peak far in the distance. The Chinati ranges may be seen 65 miles with the naked eye on any clear day. And from a point in Presidio county, on a clear outlook, may be seen Sierra Rico, a mountain peak in Mexico, 120 miles away.

water for all purposes of irrigation in the Valley of the Pecos, was a spring coming out of the solid rock, that measured 35,000,000 gallons flow daily by United States Government measurement. Nor were the good people of Fort Stockton satisfied with giving you a cup of cold water. They put on a dinner at the Hotel Stockton, under the auspices of the



McKITTRICK CANYON, RUGGED AND BEAUTIFUL—SPRUCE AND PINE COVER THE SLOPES.

Capote Peak was 25 to 30 miles away from the roadway that we traversed, through Valentine, and yet it was clearly identified.

In the Lobo Flats one passes the L. C. Bright ranch, of 130,000 acres, and here a recent geological survey has shown a fine oil prospect, and drilling is to be started soon. On the Bright ranch are 5000 fine white-faced Herefords. W. T. Jones ranch, close by, has 6500 head of cattle, grazing over 200,000 acres. From Needle Peak, through Capote to the Chinati and thence to Livermore, is a perfect anticline, with numerous monoclines and with an uplift near the foot of the Capote. This has been caused by the overload of the Davis Mountains and the Chinati.

One sees in these western ranges gushing springs of almost unbelievable flow and volume. Springs in the solid rock, springs that come bubbling up from under the roots of a giant oak—as at Utopia, or a few miles out of it, along the little Frio—and springs that seem to come from just nowhere, greet the thirsty traveler at the most unexpected time and place. Perhaps the finest of these, and the one having the largest volume, was just at the edge of Fort Stockton, Pecos county. At the very edge of the town of Fort Stockton and forming a great bathing pool, as well as

Chamber of Commerce, that would make Little Old New York turn green. And they wouldn't take a cent of anybody's money at the hotel, either. Dr. D. J. Sibley, who, with his wife, runs the hotel, is the president of the Chamber of Commerce, and they had a real jazz band accompaniment with the dinner. John Rooney, mayor and member of the executive board of the Chamber of Commerce, traveled with the party two days out of Fort Stockton and into the town itself.

All of the members of the Texas State Park Board, two members of the Texas Highway Commission and their families, together with representatives of practically every big daily newspaper in the state, made the trip with the Governor. And the itinerary never could have been worked out, as it proved, so successfully by any other man than D. E. Colp of San Antonio, the chairman of the State Parks Board, who has done marvelous things for parks and state highways in Texas. He was the promoter of the Glacier to Gulf Highway (more than 1000 miles of which are in Texas), Brownsville to Texline, and running on up to Billings, Mont., a distance approximately 1750 miles, all first-class, hard-surfaced road. Austin North of Billings, Mont., handled the northern end of the project. The route of the pilgrimage lay over



CHINATI PEAK—7730 FEET—RISING FROM COMPARATIVELY LOW GROUND AT THE MOUTH OF PINTO CANYON.

the Glacier-to-Gulf Highway from San Antonio to Big Spring, with the exception of detours at Junction and Kerrville; then the Bankhead Highway to Pecos was followed. The caravan then left the state highways until Van Horn was reached, and once more it touched the Bankhead. At Lobo, and through the Lobo Valley, the itinerary used the Border Highway and followed that route to Del Rio, which is at the Mexican boundary line. Wayside trails were followed from Del Rio on in to San Antonio, and through Brackettville, Uvalde, Leahey, Utopia, Bandera, getting into the last-named town by going through the pastures and goat ranches between Utopia and Tarpley.

It would not have been possible to have made certain stages of the journey at all had it not been for the fine co-operation of R. M. Hubbard, chairman, and D. K. Martin, a member of the Texas Highway Commission. These unselfish public servants not only were honored members of the Governor's party, but they forgot it was a holiday and spent long hours, and late hours, getting their division superintendents, foremen and maintenance men out early and ahead of the Governor to prepare the highway. They even strewed branches in the Limpia Canyon, down Barilla Creek, between Fort Davis and Balmorhea, so the party could get through. Between Fort Davis and Balmorhea, as the canyon runs, the machines crossed and recrossed the stream 21 times. This is not a state highway or a county highway by any means, because of the stubbornness of certain ranch owners against cutting a roadway through their property. But the machines got through. They never could have done so except for the work of the Texas Highway Commission.

Just what the Governor of Texas accomplished on his "Preaching-for-Parks" tour, July 14 to July 26, may be set down in the following lines, showing the 15 areas donated, the name of the donor, and where located:

Boerne, 50 acres; Charles Graebner, Dr. J. F. Nooe and Albert Kronkosky; on Guadalupe River; fine shade and

water; christened Hallie Maude Neff State Park, in honor of Governor Neff's daughter.

Kerrville, 42 acres, G. A., A. C. and Lewis Schreiner; on Guadalupe River; fine shade and water; Schreiner State Park.

Melvin, 15 acres; donated by D. J. Molstrom; Molstrom State Park.

Eden, 25 acres; to be deeded as soon as Parks Board is ready.

Big Spring, 200 acres; one-half donated by Capt. Wm. Edwards and one-half by City Federated Clubs, Edwards Monument Park.

Van Horn, 60 acres; donated by R. B. Thomas; Thomas State Park.

Marfa, two 320-acre sites in Pinto Canyon.

Balmorhea, acreage to be determined later; by William Kingston.

Fort Stockton, 40 to 75 acres; site donated by Chamber of Commerce.

Sanderson; site guaranteed by Joe Kerr.

Del Rio, on Devil's River; site guaranteed by Chamber of Commerce.

Brackettville; cavern donated by A. J. Seargeant; Seargeant State Park.

Uvalde, 26 acres, donated by A. B. Mayhew, in "Shut-In Canyon," along the Alto Frio River; Mayhew State Park.

Utopia, 30 acres, donated by the community and to be known as "Community State Park."

In addition to the foregoing 15 parks obtained on the tour, fine sites at Mason, Pecos and Brady have been offered and are under consideration; also, 1000 acres at Midland. Leahey will submit several definite sites, with the State Parks Board approving.

And so, Michigan, with your 30 parks, and Connecticut, with your 25, watch out! Texas is on both of your trails!



FIFTY YEARS OF SOUTHERN PROGRESS

The South's Development

A GLIMPSE OF THE PAST
THE FACTS OF THE PRESENT
A FORECAST OF THE FUTURE

*Note the Remarkable List of Contributors
Shown in the Following Pages*

A special publication to be issued
about December 1, 1924, by the

Manufacturers Record
BALTIMORE

Great Story of the South Written by Many Noted Men

Among the special articles, covering practically every phase of Southern resources and Southern development and the outlook for the future, which will appear in

THE SOUTH'S DEVELOPMENT

A Glimpse of the Past

The Facts of the Present

A Forecast of the Future

are the following:

HON. D. R. CRISSINGER, governor of the Federal Reserve Board, will cover the development of the banking interests of the South during the last fifty years.

HON. HENRY C. WALLACE, Secretary of Agriculture, will discuss the agricultural interests of this section and the outlook for the future.

HON. HERBERT HOOVER, Secretary of the Department of Commerce (probably), will discuss the development of the import and export trade through South Atlantic and Gulf ports.

ADMIRAL LEIGH C. PALMER, president of the United States Fleet Corporation, will discuss the possibilities for the development of trade through the South Atlantic and Gulf ports.

With the exception of Missouri, whose Governor declines to write on the subject, **THE GOVERNOR OF EVERY SOUTHERN STATE** will give a bird's-eye view of his state, showing its educational, agricultural and industrial development.

The **STATE GEOLOGISTS** of every state in the South, with one exception, and that will be covered by a professor of geology, will write comprehensively of the mineral resources of his state, the development which has taken place and the prospects for larger activities in the future.

DR. ANDREW M. SOULE, president of the Georgia State Agricultural College, will comprehensively cover the diversified agricultural activities, showing what has been accomplished and the outlook for the future.

DR. E. F. BURCHARD, expert of the United States Geological Survey on iron ores, will review the iron ore resources of the whole South and the outlook for further development.

DR. W. T. THOM, JR., expert on coal of the United States Geological Survey, will broadly cover the coal resources of the entire South, and coal mining operations and by-product coke making in connection therewith.

The first railroad in the United States was built in the South. The first 100-mile railroad ever built in the world

was in the South. The first locomotive ever built in America was for a Southern railroad. It is appropriate, therefore, that the whole story of Southern railroad development prior to the war and since then should be given in somewhat elaborate detail. This will be done by **MR. S. G. WILMER**, railroad editor of the **MANUFACTURERS RECORD**.

THOS. W. MARTIN, president of the Alabama Power Company, who has been in intimate touch with the hydro-electric development work of the entire South from Maryland to Texas, will show what has been done in hydro-electric work in this section and point out the possibilities of the future.

Steel ships built at Mobile of steel made in Birmingham are carrying steel products to various ports of the world. Steel ships built at Sparrows Point, near Baltimore, are likewise engaged in world trade, and some of them are now bringing high-grade iron ore from Chile for the production of steel for other ships and rails. The wide ramifications of the whole iron and steel business of the South will be discussed by **MR. B. E. V. LUTY** of Pittsburgh, a well-known writer on iron and steel interests.

The first successful ice machine ever made in the world was the invention of a Southern man, and following his success came the development of ice and refrigeration, with its world-wide influence, making possible the shipment of fruits and vegetables and meats from one section to another and from one country to another. This industry, so vast in its ramifications, coming as the outgrowth of a Southern invention, will be comprehensively handled by **MR. TERRY MITCHELL** of Waynesboro, Pa., a refrigerating engineer, long familiar with this industry.

MR. C. A. WHITTLE, editor, Southern Soil Improvement Committee, Atlanta, will write on the development of the fertilizer industry of the whole South, showing the extent of its operations and its influence on the country.

The cottonseed oil industry is intimately connected with the fertilizer business, because some of the products of the cottonseed oil mills go into the manufacture of fertilizers. **MR. WHITTLE**, therefore, will cover in a separate article the cottonseed oil business of the South.

The sugar industry of Louisiana, long one of the dominant interests of that entire section and now developing to some extent in Texas and Florida, giving proof of the fact that this country can produce a large part of its cane sugar, will be discussed in detail by **MR. REGINALD DYKERS**, vice-president of the American Sugar Cane League, New Orleans.

About 80 per cent of the entire iron production of the South is now consumed at home. Southern furnaces no

longer have to look to the North and West for a market as in former years, which means a vital change in this industry. Among the men long identified with the handling of pig iron in the North and South and West is **MR. JAMES A. GREEN**, president of the Matthew Addy Company, Cincinnati, and he will tell the story of the growth of the diversified iron interests of this section.

The tobacco industry has created vast manufacturing interests throughout much of the South. Tobacco in all of its ramifications will be handled by **MR. C. L. FRANKLIN**, editor of Tobacco, one of the leading tobacco journals of the United States.

MR. CRADDOCK GOINS, editor of two leading dairy papers of Milwaukee, thoroughly familiar with the dairy industry of the South as well as of the Northwest, will cover the possibilities of dairying in the South and what has already been accomplished in the development of this business.

MR. O. P. AUSTIN, statistician of the National City Bank of New York, and for many years Chief of the Bureau of Statistics of the Department of Commerce, Washington, will review fifty years of progress of the United States in finance, commerce and industry, giving many facts which will be invaluable to every business man.

The homes of the country are the best index of the character, education and wealth of a people, and nothing can more clearly indicate the character and wealth and education and love of art and the beautiful of the people of the Old South than the colonial homes of Virginia and Georgia and Carolina and Mississippi and other states. **MR. H. E. HARMAN**, editor of the Southern Architect and Building News, Atlanta, thoroughly familiar with these old colonial homes which are today the admiration of the best architects in the world, will write of the colonial homes of the South as indicative of the character of the people of those days.

The South is becoming noted for its wonderful hotels, both for the traveling public and for tourists. Hotels are an indication of the energy and prosperity of a community. The hotel building of the South, past and present, will be discussed by **MR. E. J. WILLIAMSON**, associate editor of Hotel Gazette, New York.

In the mountain regions of the South, stretching from Virginia to the far-distant South, there are some four or five million of the purest and most unmixed Anglo-Saxon people in the world. They are remarkable people with all the inherent strength of the Anglo-Saxon character. **MR. WADE H. HARRIS**, editor of the Charlotte (N. C.) Observer, who for thirty years or more has been in intimate touch with the whole cotton-mill and cotton-manufacturing interests of the South, and has had peculiar opportunities for studying the cotton-mill people themselves, will write on the character and ability of these people, showing at the same time what the cotton mills of the South are doing in providing schools and other betterments for the welfare of their operatives.

The **REV. J. W. SPEAKE**, Greenville, S. C., a minister who has made a close study of the cotton-mill operatives, will discuss the development of this industry as one of the spiritual influences at work in the South.

The Americanism of the South and its influence upon the future of this section and of the country will be discussed by **MR. COURTENAY DEKALB**, a well-known engineer and geologist, who has had something of a world-wide experience, and who will write on the influence of Southern character upon the future of the nation.

MR. HARRY F. ATWOOD, president of the Constitution Anniversary Association, Chicago, widely known as one of the foremost authorities of the country in regard to the adoption of our Constitution and the men who were active in organizing this Government, will write on the influence of the South in the building of the nation in those early days.

Highway building, one of the great and revolutionizing movements of the day, will be fully discussed and illustrated in an article by **MR. THOS. H. MACDONALD**, Chief of Office of Public Roads, United States Department of Agriculture.

MR. S. A. THOMPSON, secretary of the National Rivers and Harbors Congress, will write on the water transportation development and possibilities in the South, showing what has been done in the way of improvement of rivers and harbors, and what further development will mean for the prosperity of this section.

MR. BOLING ARTHUR JOHNSON, editor of the Lumber World Review, Chicago, who for thirty or forty years has been a constant traveler through the lumber regions of the entire South, will write about the lumber interests of this section, the amount of standing timber, the possibilities of the industry in the future and other phases connected with lumber and woodworking.

This is a plastic age, in which Portland cement is a dominant factor in construction work of all kinds. The history of Portland cement in the South, from the establishment of the first plant in that section, which probably not one man in a thousand could name, will be fully covered by **MR. KENNETH ROTHARMEL** of Chicago.

More than one-half of the petroleum output of the United States is in the South and this section, therefore, is a very vital factor in that industry with which petroleum and gasoline are connected. The South's petroleum development will be covered by **GEORGE R. HOPKINS**, petroleum expert of the United States Geological Survey.

Few people of today have any knowledge whatever of what "Reconstruction" between 1867 and 1876 meant to the South. Only in a general way are they familiar with the term, which should more properly have been called "Destruction" instead of "Reconstruction." Some of the interesting facts in connection with that period will be given by **DR. R. H. HOLLIDAY** of Oxford, N. C.

The paper industry of the country is looking to the South for its future source of supply. The leading experts

of the country realize that as the textile industry is trending southward, so paper making will follow along the same line. What has been done in its development in the South, and what are the prospects for the future, will be handled by **RICHARD W. EDMONDS** of New York.

For many years after the Civil War the South had a group of editors, such as Grady, Dawson, Belo, Avery and many others, who have never been surpassed, if as a group they have ever been matched, in any part of this country. Some interesting facts in regard to them and their work for the development of the South in the dark days of Reconstruction and following that period, until death called them away, will be given by **MAJOR J. C. HEMP-HILL**, one of the last of that generation of great journal-

ists, still, however, actively engaged in newspaper work as the editor of a daily paper in Spartanburg.

This list does not by any means cover all of the industries which will be discussed in **THE SOUTH'S DEVELOPMENT**, but it gives a hint as to what that publication will contain.

A great array of pictures will add immensely to the interest and value of this publication.

The editor of the **MANUFACTURERS RECORD** will seek in a full and lengthy discussion to tell something of the history of the people of the Old South prior to 1860 in matters of material development, the things accomplished by that section before the Civil War, some of the achievements wrought since then, and then try to forecast something of the future of the South.

Romance Surpassed By Realities

FIFTY years ago this fall the editor of the **MANUFACTURERS RECORD** began his newspaper work on a long-established commercial and financial paper, in which the advantages of the South were constantly presented. Out of that paper forty-two years ago grew the **MANUFACTURERS RECORD**. Partly in commemoration of this fiftieth anniversary of newspaper work, but mainly because it seemed opportune to issue a publication which would more thoroughly cover the South than any ever issued in behalf of any section of this or any other country, so far as our information goes, we propose to issue about December the 1st

THE SOUTH'S DEVELOPMENT { *A Glimpse of the Past* *The Facts of the Present* *A Forecast of the Future*

The facts which will be given in that publication are the outcome of fifty years of study in regard to the South. In connection with the broad, general survey of the achievements of the old South, the destruction of the Civil War and Reconstruction, and the revival since then, will be published the most remarkable series of articles by leading authorities which has ever appeared in any one American publication.

This statement, we think, is unquestionably correct, for the list of special writers as given in the foregoing pages must necessarily challenge the attention of the entire country. It has been our aim, as far as possible, to have many Northern and Western men write of the South's resources and development, on the theory that the world at large will possibly accept their statements without question, where the statements of Southern men might be charged with being biased, and yet every statement made by men of the South, who are contributors to this issue, is based on unquestionable facts.

The story of the South is a romance perhaps unmatched in human affairs. It is a story of achievements which in many respects have never been equaled in this or any other land. It is a story of influence in the building of the nation which should be known to every man and woman in the country. This story, with a degree of fullness which has never before been given, will be found in **THE SOUTH'S DEVELOPMENT**.

THE SOUTH'S DEVELOPMENT will furnish an exceptional opportunity for representative business concerns of all sections worthy to appear in such a publication, and for towns and cities of the South which have something worth while to advertise.

Correspondence from those who desire to advertise is invited. Advance subscriptions are likewise invited from all who desire **THE SOUTH'S DEVELOPMENT** for office or family use or to be sent to friends in other sections. All subscription orders must be accompanied by check or money order.

Subscribers to the **MANUFACTURERS RECORD** will receive one copy free, and the information that they will thus get will very far exceed the total cost of an annual subscription to this paper. But we trust most of them will feel like ordering a few extra copies for their office force or their friends. The price will be \$1 per copy (with postage 25 cents extra) or \$1.25 by mail.

The World Struggle for the Dye Markets.

By RICHARD W. EDMONDS.

In view of the lowering this month of the protective tariff on dyes, and the consequent speculation as to what extent the Germans will be able to invade our domestic market, it is interesting to note some of the high lights of the situation.

In 1913, Germany, with an annual capacity of 280,000,000 pounds of synthetic dyes, dominated the dye markets of the world. Three-fourths of all the synthetic dyes produced in the world were made in Germany and one-half of the remaining one-fourth were made from German intermediates. Thus, seven-eighths of the world's synthetic dyes came from Germany in either the crude or the finished state.

In the United States before the war we had seven firms manufacturing dyes from intermediates, most of which were imported from Germany. Their output for 1913 was 6,619,729 pounds. During the same year we imported 45,950,895 pounds, chiefly from Germany. When the war shut off the supply of German dyes and German intermediates our textile interests and dyemakers had to turn to other sources.

During the war, America, like several other nations, realizing the importance of a dye industry to national defense, undertook to develop domestic production. In 1923 our production by 88 firms was 93,667,524 pounds, and our estimated productive capacity was 117,500,000 pounds. Of this we exported about 18,000,000 pounds. At the same time we imported 3,098,193 pounds, partly from Germany. This importation compares very favorably—from the American point of view—with our importation of nearly 46,000,000 pounds ten years earlier.

In view of our perpetual and animated controversy over tariffs, it is interesting to note that, in spite of a high protective tariff on dyes, the price level of our domestic products has declined steadily. The averages have been: In 1917, \$1.26 per pound; in 1921, 83 cents per pound; in 1922, 60 cents per pound; in 1923, 54½ cents per pound. All opponents of protection, please take note.

From the foregoing figures of imports and exports it is evident that Germany no longer has a market of any consequence in this country, and that it has lost some of its export trade to us. If we should rest the case here, Germany's prospects for survival in the exportation of dyes might look very poor indeed. But let us consider Germany's position as a whole.

At the present time the six chief dye-producing nations outside of Germany—the United States, Great Britain, France, Switzerland, Japan and Italy—have a combined estimated capacity of 264,000,000 pounds annually, as against an almost negligible capacity before the war. Including Germany's present estimated annual capacity, the seven leading dye-producing nations have a production capacity of 614,000,000 pounds, or considerably more than the world can use. Germany's production has been considerably handicapped by the occupation of the Ruhr, and the full force of its competition has not been felt by her younger dye-producing competitors.

When it is remembered how important to the welfare of the German nation is the prosperity of its chemical industry, it becomes evident that it will make every effort to recover its lost dye trade. And when it is remembered further that the German dyemakers have back of them a much longer experience in the science of dye-making, have the organization for buying and selling as a unit, and have a more thorough-going co-operation from their Government than the dye industries of any of the other nations, then it becomes evident that Germany's competition is likely to be earnest and formidable.

The first steps taken by the German dyemakers have been

to enter into trade alliances with the dyemakers of other countries wherever possible. Thus, it is stated that one of the largest of the Italian producers, the Bianchi Company, has a working agreement by which the Germans supply technical assistance and in return share profits; and the Bianchi Company's exports are limited to the Italian colonies. In France the Compagnie Nationale is reported to have a similar agreement, but the occupation of the Ruhr has thus far restricted its operation. In England an alliance between the Interessen Gemeinschaft and the British Dyestuffs Corporation was under negotiation, but, the facts becoming public and encouraging intense opposition from the British public, the negotiations have been delayed but not dropped. There has been talk of proposals looking to similar alliances in this country, but here are no indications of any real headway being made in this direction.

The objects of all these agreements are, first, to give the German dyemakers a share of the profits of their competitors, and second, to confine these competitors in their export business, each to a certain restricted territory, thus leaving Germany almost a worldwide field in which competitors are reduced to a minimum.

There are some interesting and significant aspects to these agreements. The German industry, with its present annual capacity of 250,000,000 pounds, many years of experience and the organization to act in foreign fields as a single unit, rather overshadows the combined industries of its competitors, with their annual capacity of 264,000,000 pounds, lack of experience and division between six nations in which it is subdivided into smaller competitive units. Does it appear probable that the German industry, with a capacity greater than the world's needs, has concluded its agreements with competitors in order to put them on their feet and make them, in a short time, independent of German assistance and invincible to German competition? Does it seem likely that the experts sent out by the German manufacturers will solve the problems of their competitors with the same whole-hearted enthusiasm with which they would solve the problems of the German industry? Or that they will overlook any advances their competitors may have made independently of the Germans? It is easy to understand that the German industry may be in much the same condition of a bear after a winter's hibernation; may feel the need of some of the profits its competitors are making from the trade formerly its own, and may, in addition, seek gradually to eliminate research and experimental development in other lands. But it is difficult to believe the German dyemakers have taken this move without seeing some further profits to themselves than the mere sharing of profits for a few years and the saving of a bit of the cost of research. A consideration of the strategic points of the situation may throw light on the plans of the Germans.

With the secrets of its competitors in its possession, with its coffers refilled from their profits, and with most, if not all, of them restricted, each to a specified territory beyond which they have no customers and no understanding of the requirements and the market conditions, while the German products go into many quarters of the globe, will it not be an easy matter for the German industry to carry through a small, local campaign of underselling in the territory of, say, the Bianchi Company, in Italy and the Italian colonies, until that company, exhausted by the struggle, surrendered and retired from the field? And having captured that field, and having raised its prices there to a profitable level, could the German industry not then turn to some other restricted ma-

ket and repeat the same performance, while the captured territory and the waiting victims pay the bill? This looks like a beautifully simple and extremely formidable plan.

If this is the plan, it is hardly probable the Italians, the French and the others have overlooked its sinister possibilities. It may be they feel incapable of meeting the more experienced German competition without a little training, in which case it would be a question of succumbing at once or of making this desperate agreement in the hope of later finding means for keeping out of a capacious maw. Or there may be totally different factors that do not appear on the surface. At any rate, the situation is an interesting one and will amply repay watching.

The ancient Greeks, with their imagination and their love of conflict, pictured a battle in which the Titans hurled whole mountains at the heads of their enemies, thus giving rise to the planless, rugged wilderness of the Alps. Life was simple in those days, and industry held no such possibilities as it holds today. Had the authors of the legends of the Titans been given the opportunity to observe such a battle of giants of industry as the world will witness in the next few years, with its intrigue, its subtle, silent, invisible forces, its unexpected moves and counter-moves, they possibly would have considered the weaving of such legends as those of the gods and the Titans childish and uninteresting.

264 Flax Hill Road,
South Norwalk, Conn.

Drainage District Reclaims 55,000 Acres in Kentucky —Project Near Completion at Cost of \$625,000.

Owensboro, Ky.—One of the largest drainage projects in this section of Kentucky is being completed by the Panther Creek Drainage District at a cost of \$625,000. It will reclaim 55,000 acres of land and is estimated that an increase of \$2,250,000 will be effected in the county assessment of taxable property.

Most of the dredge work has been done by the MacWilliams Company of Chicago, while C. O. Brown has had charge of engineering details. Dr. J. H. Hickman is the chief promoter of the enterprise, and R. H. Ford, drainage commissioner of Davies county, Owensboro, has general supervision of the project. J. R. Hays is the attorney.

The district was organized in 1914, but ditching work was not begun until the fall of 1920. The ditch consists of two lines of excavation known as the north and south forks of Panther Creek, the former being 13 miles long and the latter 10 miles. A total of 13 steel bridges across the ditch have been contracted for and all but one completed.

The project is said to have been accomplished without cost to the county treasury or citizens, except those in the district.

A large acreage in the district has been acquired by the Panther Creek Land Co., which will build houses and barns and divide the acreage into small tracts for farms.

New \$500,000 Department Store for Fort Worth.

Fort Worth, Tex.—Contract has been awarded to Harry B. Friedman of this city for a department store to be erected here by J. I. Burgess at a cost of \$500,000. The building will be 100 by 100 feet, 8 stories, of reinforced concrete construction, with metal doors, vaults, concrete floors, hollow and interior tile, ornamental terra cotta, rolling partitions and wire glass. It will have concrete foundations and will be equipped with a steam heating plant, freight elevator and four passenger elevators. Contract for heating, plumbing, lighting and elevators have not been awarded. W. G. Clarkson & Co. of Fort Worth are the architects. The building will be leased to Sanger Bros of this city.

Plans \$10,000,000 Hydro-Electric Development in West Virginia—Application for Preliminary Permit —Would Produce 117,000 Horsepower.

Charleston, W. Va.—Application has been made by the Gauley Power Co. of this city, Joseph Holt Gaines, president, to the Federal Power Commission, Washington, for a preliminary permit to build dams and power-houses on the Gauley and Meadow Rivers, estimated to cost \$10,000,000. Tentative plans for the development, which are on file at the office of the Federal Power Commission, call for two operations on the Gauley and three on Meadow River.

A series of power-houses and dams is contemplated, it is said, which will produce a total of 117,000 horsepower, the first dam to be constructed near Woods Ferry, about fifteen miles up the stream. In addition to the construction of the dams and power-houses, the company will probably build transmission lines to carry power to the vicinity of Charleston. S. L. Tone of Pittsburgh, Pa., is engineer for the project, a hearing on which will be held by the Federal Power Commission at the Federal Building here October 1.

Georgia Peaches to London—Test Shipment Shows Possibilities of English Markets.

Savannah, Ga., Sept. 10.—[Special.]—Georgia peaches may soon be shipped direct to London markets and placed on sale there at prices netting a good profit over rail and water transportation costs, in the opinion of shipping experts here following the arrival of test shipments of peaches from Fort Valley on the London market. The shipment was made by R. E. and V. L. Brown of Fort Valley, Ga., consisting of a number of crates of Elbertas carefully packed and sent by refrigeration all the way.

The peaches created considerable comment in London, as they arrived in perfect condition and brought top prices, being snapped up by the exclusive hotel trade.

Experts say that the only thing standing in the way of extensive and profitable peach shipments to London is a lack of refrigeration facilities in Savannah to keep the fruit in good condition from the time it is taken from the refrigeration cars until it is loaded on refrigeration ships for Europe. As soon as facilities can be provided at the Georgia port, they claim, shiploads of peaches can be readily transported and sold in England.

With refrigeration facilities already being planned in Savannah to provide for increasing trade in butter, cheese and meat products between the South and Central and South America, the sale of peaches in London markets seems not only a possibility but a probability in the near future.

\$1,000,000 Memorial for West Palm Beach.

West Palm Beach, Fla.—Application has been made for a charter for the Charlotte Irene Searles Memorial Free Hospital Association, whose purpose, it is said, is to establish here, probably within the next two years, a free charity hospital, with a memorial and park in connection, at a cost of more than \$1,000,000. Officers of the association, who will serve until the first election under the charter next March, include Victor A. Searles, president; Wilson Mizner, vice-president, and Porter F. Quinn, secretary and treasurer.

It is thought the site of the project will be a piece of property extending from the Dixie Highway to Lake Worth, and that the memorial will be in the form of a mausoleum to be erected near the lake. The hospital will probably be erected near the Dixie Highway, and between the two structures a park will be established for convalescent patients. It is understood that the cost of the hospital building alone will be about \$100,000.

Georgia's Agricultural Display at the National Dairy Show and the Southern Exposition is a Challenge to Every Other Southern State.

Atlanta, Ga., Sept. 22.—[Special.]—Visitors to the National Dairy Show in Milwaukee who are under the impression that the South is a land of cotton only are going to get the surprise of their lives when they visit the Georgia Association's booth at the big dairy exposition.

The display will show, among other things, ten different kinds of concentrates grown in Georgia for feeding purposes, twelve different forage crops, eighteen different varieties of hay and six different succulent feeds—a greater variety of good feed and hay crops than can be found, perhaps, in any other section of the country.

Here is a complete list of the feeds to be shown, a list that will prove an eye-opener to every dairyman and farmer who attends the Milwaukee show:

Concentrates—Alfalfa meal, velvet-bean meal, cottonseed meal, corn meal, peanut meal, soy-bean meal, wheat bran, wheat middlings, wheat shorts, ground oats.

Forage Crops—Cowpea hay, soy-bean hay, peanut hay, alfalfa, lespedeza, vetch, oats, mung beans, kudzu, napier hay, sugar cane, sorghum.

Succulent Feeds—Turnips, rutabagas, artichokes, sweet potatoes, ensilage.

Pasture Crops—Bermuda, lespedeza, carpet grass, Dallas grass, rape, oats, rye, alfalfa, burr clover, crimson clover, clover, white clover, black medic, vetch, napier grass, cane, sorghum, kudzu.

These crops are not those grown by some farmer who tried to see how many things he could produce on his place. They are standard feed, hay and pasture crops produced in commercial quantity in most of the counties of Georgia, and show the wide range of selection which the dairyman in that state has in the way of forage, concentrates and pasture feeds.

Another interesting feature of the Georgia Association's booth will be the special display of by-products made in commercial quantities from Georgia's miscellaneous crops.

This will include by-products from peaches, pecans, tobacco, cotton, yams, apples, pineapple pears, watermelons, peanuts.

Dozens of commercial by-products are being made from each of these crops, and an interesting showing will be made of these at the exposition.

Other features will include a chart showing the location and output of seventeen butter and cheese factories having individual productions running from 8000 to 40,000 pounds, with a total output of 267,000 pounds; a chart showing the location and output of nine cheese factories having a total output of 355,000 pounds of high-grade cheese, and a chart showing the location and number of animals in each pure-bred herd of dairy cows in the state. In short, it will be a splendid display of what the South has to offer the dairyman—particularly of what Georgia has to offer the prospective producer of milk, butter and cheese—and one which should claim the attention of every northern dairyman and farmer.

At the close of the National Dairy Show the exhibit of the Georgia Association will be kept intact, to be sent to the Southern Exposition in New York, where the association has already made arrangements for it.

Those in charge of the association's display say that it is the most complete and comprehensive showing of dairy possibilities in Georgia ever sent out of the state, and they expect splendid returns on this publicity.

The Caddo Parish Police Jury, Shreveport, La., is considering the erection of a \$1,000,000 courthouse, and at its October meeting will invite architects to prepare tentative plans and specifications for the structure.

BALTIMORE TO MAKE A BIG EXHIBIT AT SOUTHERN EXPOSITION.

Mayor Jackson Assumes Leadership of Movement to Make Exhibit at Southern Exposition.

Announcement by Mayor Howard W. Jackson that Baltimore will take a prominent part in the Southern Exposition in New York city, January 19 to 31, gave indication this week that the cities of the South would take the same proportionate interest in the success of the Exposition that the states are taking. As a city of nearly 800,000 residents and calling itself "The Gateway of the South," Baltimore, through Mayor Jackson, has informed the MANUFACTURERS RECORD that it will make the finest exhibit of which it is capable.

The Baltimore exhibit will be in two parts—the municipal exhibit, made officially by the city, and the exhibit by private enterprise, representing the manufacturers, merchants, financiers, professional circles and all other lines. Much of the city's advertising fund of \$10,000, said Mayor Jackson, would be devoted to Baltimore's exhibit.

Among the official city exhibits will be a detailed and informative view of the great port, with the many railroad terminals and docks, and also a large picture of the city, made under the joint auspices of the city and the Merchants' and Manufacturers' Association.

Official recognition of the Exposition by the state is hoped for by the city, and Governor Ritchie is to be asked to place Maryland in the forefront of the exhibitors.

In a letter to A. S. Goldsborough, executive secretary of the Baltimore Association of Commerce, asking his active aid, Mayor Jackson said:

"I agree with you most heartily that Baltimore cannot remain out of any significant Southern exposition, and I further insist that if Baltimore does enter it should take its position as the leading city of the South. Our business relations with the South are so intimately intertwined that it is impossible to think of anything distinctly Southern that does not include Baltimore as a conspicuous figure.

"In view of the tremendous value of the South to us as a great market, we can ill afford to let the South think that we are out of step with its aims and purposes. When the South undertakes to exhibit itself in this national portrayal of its resources and business, we must be there! If we are not in that Exposition, we cannot boast of being 'The Gateway of the South.' If we do not participate, the Southern merchants will feel that we no longer consider ourselves as a part of the South. The moment we create that impression we will surrender the one great sentimental tie which has made Baltimore the buying market for Southerners.

"All the Southern cities have gone in substantially. Some Northern cities, competitors of ours, are trying to find some excuse through which they can secure an entrance into the Exposition.

"In the face of all this, can Baltimore, or the state at large, be indifferent? In my opinion, the greatest tactical blunder which the city and our business men can commit will be to suffer this Exposition to be held without Baltimore being there big.

"The state should co-operate.

"Our manufacturers and merchants should play a part which will compel every visitor to the place to understand the supreme position which we hold in the general affairs of the South.

"I can definitely promise you that the municipal government will do its fair share. The varied lines of business men, on their part, should rally behind the city and see to it that when we go in we go in as big business men representing a big city. We must go there as one of the real, commanding features of the Exposition.

"In this Exposition we can in a very effective and timely way further cement our friendship with the South. At the same time we can and will display our business, our advantages, our resources to the country at large. We must not forget that hundreds of thousands of visitors other than Southerners will view this exhibit."

Mayor Jackson also expresses confidence that Governor Ritchie, as a vice-president of the Exposition, will assure an adequate exhibit by the state.

Making Plans for Southern Exposition.

Each Arkansas County Asked to Contribute.

[From the Arkansas Gazette, Little Rock.]

"Every county in the state will be asked to contribute a share, in proportion to its population and wealth, of the \$50,000 that it has been estimated will be needed properly to represent Arkansas at the Southern Exposition, to be held in New York January 19-31, 1925, it was decided at a conference of representative men and women from all over Arkansas at the Hotel Marion.

"H. M. Jacoway of Little Rock, chairman of the executive committee in charge of Arkansas' part in the Exposition, said that the committee would assign a quota to each county, and appoint county chairmen to conduct the campaign, within the next few days. Several men at the conference volunteered to assume the chairmanship for their counties, and many expressed confidence that the quotas would be raised easily.

"William G. Sirrine of Greenville, S. C., president of the Southern Exposition, was the principal speaker. After tracing briefly the history of the exposition and describing the success it has met in 10 other Southern states, he stressed Arkansas' need of advertising its resources and industries.

"It is almost impossible to obtain information on Arkansas from any source in New York, he said. The Exposition will be the best means of informing the North and East of the state's possibilities, according to Mr. Sirrine.

"Governor McRae, in a short address, endorsed the Exposition, and said he hoped it would be a means of bringing the people of all parts of the state together, as well as showing the remainder of the country the wealth of Arkansas.

"Others who spoke enthusiastically of Arkansas' part in the exposition, and pledged their support, were: C. L. Thompson, president of the Little Rock Board of Commerce; V. Walker, Fayetteville; A. B. Little, Blytheville; Mrs. T. T. Cotnam, Little Rock; J. H. Hand, Batesville; Joe E. Boyce, Pine Bluff; H. L. Remmel, Little Rock, and Earle W. Hodges, Little Rock."

Tennessee With the Other Southern States.

In describing a meeting of representatives of the Tennessee chambers of commerce, addressed by William G. Sirrine, president of the Southern Exposition, the Nashville (Tenn.) Banner said:

"Tennessee will join with her sister states of the South in participating in the great Southern Exposition, to be held in the Grand Central Palace in New York city in January, 1925, according to action taken by representatives of the chambers of commerce of the state at a meeting at the local Chamber of Commerce Building.

"The meeting was called in the interest of the Southern Exposition, and following a discussion of the proposition the Chamber of Commerce representatives voted in favor of this state placing an exhibit in the Exposition building, and the following were named as heads of the committee to take charge of the work necessary to assembling the display: Ned Farris, secretary of the Chamber of Commerce of Knoxville, chairman; F. W. Fletcher, secretary of the industrial department of the Nashville Chamber, and C. C. Campbell of Knoxville, assistant secretary."

Should Show Raw Materials of Alabama.

A news item in the Tuscaloosa (Ala.) News and Times Gazette says:

"Prof. Walter Jones of the University of Alabama, geological department, today outlined for the Kiwanians the kind of an exhibit he thought Tuscaloosa and Tuscaloosa county ought to send to the Southern Exhibition in New York, January 19 to 31. In his opinion, he said, such an exhibit should stress coal, ore and wood which is the raw material that may be expected to attract capital to this city and county.

"C. B. Vener emphasized the fact that Tuscaloosa could not afford to be absent from the New York Exposition, and stressed the advertising value to be derived from such an exhibit. He asked all Tuscaloosans when called upon to assist in building the exhibit Tuscaloosa will send or to assist in the financing of the exhibit to give liberal assistance."

Whitford Cole, Chairman, Tennessee State Committee.

W. G. Sirrine, president of the Exposition, announces that Whitford Cole, president of the Nashville, Chattanooga & St. Louis railroad, has accepted the chairmanship of the Tennessee state committee.

Johnson City Offers \$100 Prize for Slogan.

In connection with the Exposition, the city of Johnson City, Tenn., has decided to have a "slogan" and \$100 has been offered as a prize for the best catchword or phrase to place the name of the city before the world. The Chronicle and Staff-News have started a subscription list with that amount. Competition is expected to be keen and Johnson City announces that it will provide an exhibit commensurate with the advantages of that community.

Galveston to Be in It.

[From the Galveston (Tex.) Daily News.]

"Returning from a meeting of Texas Chamber of Commerce representatives held at Fort Worth to inquire into the practicability of Texas representation at the Southern Exposition, to be held at New York, January 19 of next year, and lasting for the following two weeks, C. E. Riddell, industrial business manager of the Galveston Chamber of Commerce, declared that prospects pointed to a large and better exhibit than has ever been presented before. For the first time the city of Galveston will have a representation, Mr. Riddell declared."

Roanoke Industries to Be Shown.

The Roanoke (Va.) Times, in a dispatch from Asheville, N. C.:

"Pictures of the leading industries in Roanoke and vicinity will be featured in literature to be issued by the management of the Southern Exposition and distributed throughout the United States for the purpose of advertising the resources and the matchless possibilities of the South. Photographs selected especially for this campaign will be furnished by the Roanoke Chamber of Commerce.

"Invitations to homeseekers, investors, manufacturers and others will be supported by tangible evidence of the South's innumerable advantages over other sections of the country. A great variety of decorations, utilizing native materials in original designs, will give the Exposition the charming atmosphere that is distinctively Southern.

"Each day during the Exposition one of the state societies in New York will sponsor a state dinner. Near the close of the great show the Southern Society will stage a Southern products dinner, in which every item of the menu, every article appearing on the table, even the furniture and linen, will be furnished by Southern art and industry."

[From the Johnson City (Tenn.) Chronicle.]

"In the raising of the necessary funds for the project which will undoubtedly be the best investment Johnson City has ever made, count me in for a subscription of \$100 of a \$2500 total to be provided by the civic clubs and the people of the city," said Capt. John E. Riley, in discussing the coming Exposition and the incalculable value it will be to the entire South.

"The time for securing space in the Grand Central Palace in New York expires on September 30. It is felt that a minimum of 250 square feet should be taken by Johnson City, at the minimum rate of \$3 per foot, and a sufficient sum raised for advertising, literature, souvenirs, etc., featuring especially space in the MANUFACTURERS RECORD's special Southern edition.

"Lynchburg, Va., secured 250 feet, and is preparing a fine exhibit; but Spartanburg is preparing to use 1000.

"Johnson City, the 'Capital of the State of Appalachia,' just must be represented prominently," said Captain Riley. 'It would be a crime to stay out.'"

[From the Alabama Farm Bureau News.]

"The Solid South will take part in the Southern Exposition which will be staged at Grand Central Palace, New York city, next January. Jesse B. Hearin, who is secretary of the Alabama committee for this Exposition, said that reports received by him show that Alabama, Arkansas, Georgia, Florida, Louisiana, Mississippi, Kentucky, Tennessee, North Carolina, South Carolina, Virginia and West Virginia will each take part. In the opinion of Mr. Hearin this is the time to hold an exposition of this kind. Farmers, manufacturers and homeseekers throughout the North and East have their eyes turned toward the South, and encouragement such as this Exposition will offer will cause them to come to the South."

To Build a 200-Mile Concrete Highway on a New Plan Worked Out by the Legislature of the State of Georgia.

Brunswick Board of Trade.

Brunswick, Ga., September 20.

Editor Manufacturers Record:

Knowing of your great interest in any movement inaugurated for the development of the South, I am bringing to your attention what appears to be a very unique plan for financing the building of highways. The plan is a new departure for Georgia and is thought by many financiers and road builders of the state to be a solution of the much-discussed question of how to build and finance highways through communities and counties that are not permitted under the law to issue bonds beyond a certain percentage of their taxable property.

To illustrate my point, one of the counties interested and referred to in the following article has between 30 and 40 miles of the South Atlantic Coastal Highway passing through its entire length from north to south. This county never could bond for a sufficient amount to build a concrete highway for this distance, but under the plan as outlined this particular county, owing to its small taxable values of properties and so forth, will have the entire mileage constructed and only be called on to pay a very small percentage of the entire cost of the 200 miles of highway; so small in fact that the gas tax, approximately \$10,000 a year, will pay in 30 years their proportionate part and leave that particular county with \$5000 a year of their gas tax over and above the amount they will be called on to pay.

The South Atlantic Coastal Highway, from Washington, D. C., via Richmond, Norfolk, Wilmington, Charleston, Savannah, Brunswick, Jacksonville, St. Augustine and Miami, thence to Key West, Fla., passes through Georgia from Savannah via Brunswick to the St. Mary's River Bridge (Florida line), almost the entire distance within a few miles of the Atlantic Ocean, a stretch of approximately 200 miles. On account of a seven-foot rise in the tide along the Georgia coast, an ordinary surfaced highway would not sustain the immense traffic for any definite length of time, so a plan to build a 20-foot concrete road 200 miles in length from the South Carolina line through Georgia to the Florida line has been perfected and will be financed by counties through which it passes, counties furnishing 25 per cent of the cost, state 25 per cent and Federal Government 50 per cent.

A special act of the Georgia Legislature was passed last summer creating the Coastal Highway Bonded District, empowering the counties of Chatham, Bryan, Liberty, McIntosh, Glynn and Camden to form themselves into a body for constructing the highway through these counties and authorizing the Coastal Highway Bonded District to issue bonds and provide a method of retiring the bonds and paying interest thereon.

The bond issue will be for \$900,000, with the state of Georgia furnishing a like amount and the Federal Government, \$1,800,000. Bonds will be retired in 30 years and the assessment against each county will be in proportion to the taxable value of real and personal property (including public utilities) returned for taxation. Thus it will be seen that the poorer counties of this bonded district will, under this plan, be the greatest beneficiaries and only be called on to pay a very small percentage of the cost of the highway. According to the present system of taxing gasoline in Georgia these poorer counties will receive sufficient gas tax money to pay their entire quota of this expenditure, and in some counties the quota will be so small that only 50 per cent of the gas tax money received each year will be required.

Under this plan Georgia will have, perhaps, one of the

finest 200-mile highways in the United States, which will be known hereafter as Georgia's part of the South Atlantic Coastal Highway.

FRED G. WARDE, Managing Secretary.

Carbon Steel Corporation Takes Over Hess Steel Plant at Baltimore.

Announcement has been made by H. Findlay French, director of the industrial bureau of the Baltimore Association of Commerce, that the Carbon Steel Corporation has taken over the plant and equipment of the Hess Steel Corporation at Loneys lane and Pennsylvania Railroad, Baltimore, and will manufacture concrete reinforcing bars and soft steel bars of all kinds.

It is the purpose of the Carbon Steel Corporation to begin operations about October 1 with the opening of its 9-inch and 14-inch mills, which will employ approximately 75 workmen at the beginning. Later it is planned to put the 20-inch mill in operation and increase the number of workmen to 300.

Officers of the company include John Robinson, president and general manager, and George Frankovich, treasurer, with offices at the plant.

Contract Let for \$250,000 Pipe Line.

Luling, Tex., Sept. 20—[Special.]—Contract has been awarded by the Grayburg Oil Co. of San Antonio for laying a 4-inch pipe line from the Luling field to its refinery at San Antonio. Construction cost, including three pumping stations, will be approximately \$250,000, it is stated. The company has 400,000 barrels of oil in storage at its tank farm near here and is now engaged in wildcatting as well as drilling proved acreage in the Guadalupe field. The proposed new construction will give the company its own line into the two principal fields. S. B. Hindinan of Luling is the contractor.

The Magnolia Petroleum Co., Dallas, has completed an 8-inch welded line from Luling to Hull Junction, a distance of 182 miles. It cost \$2,000,000 and has a capacity of 18,000 barrels daily. The line connects with the Magnolia Petroleum Co.'s Mid-Continent line at Hull. Pumping stations are located at Luling, Schulenburg, Sealy and Adline.

\$500,000 Professional Building for Washington.

Washington, D. C.—Representing an investment of about \$500,000, Isadore Freund of this city is erecting an eleven-story office building, the ten upper floors of which will be especially equipped for use of physicians and dentists. Each suite will contain a laboratory adjoining an operating-room. Rooms will be so arranged that they may be leased in any number of suites, all communicating with a general reception-room. There will be eight offices on the first floor.

The exterior of the building will be of stone; the structure will be served by two high-speed elevators. B. Stanley Simmons of Washington is the architect, and W. H. West Co., rental agents.

Contracts for \$1,000,000 Auditorium at San Antonio.

San Antonio, Tex.—General contract has been awarded by the city of San Antonio, John W. Tobin, Mayor, to Walsh & Burney of this city at \$570,680, for the erection of the proposed \$1,000,000 municipal auditorium. Plumbing contract has been awarded to the A. J. Monier Co., San Antonio, at \$23,125, and to the Travis Electric Co., San Antonio, at \$45,998, for electrical wiring.

The building will be of reinforced concrete, structural steel, brick, stone and tile construction, and will have a seating capacity of 7000. Atlee B. Ayres, Robert M. Ayres, George Willis and Emmett T. Jackson, all of San Antonio, are associated architects.

\$1,590,000 IN LITTLE RIVER DRAINAGE CONTRACTS.

Cover 12,500,000 Cubic Yards Excavation and Embankment—Other Awards on Project Which Will Cost \$6,000,000.

Cape Girardeau, Mo.—Contracts totaling \$1,590,260 have been awarded by the board of supervisors of Little River Drainage District here for work covering 12,500,000 cubic yards of excavation and embankment. A contract for 1,260,000 cubic yards of hydraulic dredge excavation has not yet been awarded, but this work is expected to be let after further consideration of bids already received. Bids were rejected on 6,362,000 cubic yards of excavation, for which new bids are to be received and contract awarded on October 6. The entire project will cost about \$6,000,000.

As a part of the work planned, contracts were awarded for constructing a flood basin in the vicinity of Caney Creek in the northern part of Scott county and for a similar basin in Stoddard county near Advance. Other work will include the cutting of approximately 125 miles of new ditches and making over a like mileage of old ones, contracts for the ditches being figured on a mileage basis. The ditches are mainly new outlet channels and vary in width, reaching a maximum of 170 feet. Flood basins will consist of dams and levees, so constructed as to store water from two areas of hills adjacent to the district.

The Little River Drainage District is said to be the largest ever organized in this country, involving 500,000 acres of flat land in southeast Missouri extending from the foothills of the Ozarks west of Cape Girardeau 90 miles south to the Arkansas state line. Present plans call for redigging 20,000,000 cubic yards, or nearly half of the original ditch dug a number of years ago. L. L. Hidinger, president of the Morgan Engineering Co. of Memphis, Tenn., is chief engineer for the district, and construction will be done under his supervision.

\$6,550,000 from Bright Leaf Tobacco Sales This Year in Georgia.

Atlanta, Ga., September 22—[Special.]—Sales of bright-leaf tobacco in Georgia warehouses for the season just closed totaled \$6,551,659, according to figures issued by the state agricultural department in a preliminary final report.

With the exception of 552,000 pounds, all tobacco sold in Georgia warehouses this season came from that state, the total being 30,024,502 pounds. The small amount raised outside came chiefly from Florida, with a little from Alabama and South Carolina.

The average price per pound was 21.32 cents, the highest ever received for the tobacco crop of South Georgia. The price exceeded the most hopeful expectations by \$500,000, and farmers of the section are convinced that tobacco is a worthy successor to King Cotton in south Georgia.

Active steps are being taken to induce tobacco farmers to settle around Fitzgerald this fall and bring this market—the only weak one in the Georgia chain this year—up to a production of at least 2,000,000 pounds next season.

In the meantime it is expected that a larger acreage than ever will be planted next spring.

Plans for \$250,000 School Building at Staunton.

Staunton, Va.—The School Board of this city is having plans prepared by W. B. Ittner, architect, of St. Louis, Mo., and T. J. Collins & Sons of Staunton, associated, for a \$250,000 school building here. The structure will be three stories, of brick and concrete, with concrete and terrazzo floors, brick and stone foundations and probably slate roof. Other details have not been determined.

Oil Company Expansion Program to Include \$2,000,000 Pipe Line in Texas.

Big Lake, Tex., Sept. 20—[Special.]—As a result of a visit to the Big Lake oil field by representatives of the Benedum & Trees interests, which own the Transcontinental Oil Co. and subsidiary, the Big Lake Oil Co., an extensive program of expansion and development has been mapped out, according to T. H. Cowell, vice-president of the Transcontinental Oil Co.

Mr. Cowell confirmed the report that the company has under consideration the construction of a pipe line from the Big Lake field to connect at Ranger with a trunk pipe line leading to the Gulf coast. The proposed line will cost about \$2,000,000, he said. The company also tentatively plans to enlarge its refinery at Hodge Station, Texas. This plant has a skimming capacity of 20,000 barrels per day.

Work to Begin on \$750,000 Club Building.

Miami, Fla.—Contract has been awarded to the Thompson-Starrett Company of New York, and work will soon begin on the construction of the Country Club building in Coral Gables to cost about \$750,000, including site. On the first floor of the building there will be dining-rooms for employees, large grillroom, kitchen and locker and dressing rooms for use in connection with three swimming pools which will adjoin the structure and to be enclosed by a cloister wall. The second floor will contain a lounge extending across the entire front of the building and overlooking an 18-hole golf course, men's and women's dressing-rooms, private dining-room with kitchen adjoining, and a woman's lounge and rest room. Public rooms and grill will have ornamental plastered and beamed ceilings. Schultze & Weaver of New York are the architects.

Railroad Efficiency Greatly Increased.

New York, Sept. 22—[Special.]—A study of railroads as to their efficiency during late years, just completed by the National Industrial Conference Board, 247 Park avenue, shows that from 1915 to 1923 there was an increase of 23 per cent in the number of ton miles, with an increase of only 13 per cent in the number of freight cars used. During the same period passenger traffic increased 13 per cent and the total increase of traffic units was 20 per cent greater in 1923 than in 1915, and it was, moreover, the greatest for any year in the period under consideration. It is also noted that there has been a great expansion of railroad equipment and a considerable increase in the utilization of railroad labor, with improved management by officials and increased co-operation of shippers.

Daytona Beach Realtors Buy 50,000 Acres for Farms.

Daytona, Beach Fla.—A total of 50,000 acres of farm and forest lands, located for a distance of nine miles on both sides of the Daytona-DeLand highway, has been purchased by Hawkins & Bennett, local realtors. It is the purpose of the purchasers to develop the property and sell it in ten-acre farm tracts. Definite announcement of reclamation plans will be made as soon as topographical surveys, now under way, have been completed.

Contract Awarded for \$250,000 Science Building.

Springfield, Mo.—Contract has been awarded to the Stewart-McGehee Construction Co. of Little Rock, Ark., for the erection of the proposed \$250,000 science building here for Southwestern State Teachers' College. According to the president of the board of regents of the college, work on the structure will begin at once. Earl Hawkins & Co. of Springfield are the architects.

Freight Traffic Continues Very Heavy.

Loadings of revenue freight on the railroads during the week ended September 6 totaled 920,979 cars, according to reports filed by the roads with the car-service division of the American Railway Association. Owing to the holiday of Labor Day this showed a decrease of 99,360 cars, as compared with the previous week, but if there had not been any holiday the total would have been practically the same as for the week before, viz., 1,000,000 cars or more. As compared with the corresponding week of last year, when the movement of traffic was breaking all records, the total for the week showed a decrease of only 7937 cars. Besides, the total was more than 97,000 cars greater than in the corresponding week of 1922. In the loading of grain and grain products there was a total of 65,310 cars, the greatest number of cars so loaded in any Labor Day week on record, this exceeding by more than 10,300 cars, the previous record established in 1921. The same week last year was exceeded by more than 18,500 cars. Loadings of miscellaneous freight totaled 339,792 cars, another record for Labor Day week, and showing an increase of very nearly 15,000 cars over the record established last year. Since January 1 last there have been 32,477,590 cars loaded with revenue-producing freight.

Further Details of Imperial Sugar Company Plans.

Discussing plans of the Imperial Sugar Co. of Sugarland, Texas, one of the projects operated at Sugarland by the Sugarland Industries and which has recently incorporated with an authorized capital stock of \$5,000,000, W. T. Eldridge, Jr., vice-president of Sugarland Industries, writes the MANUFACTURERS RECORD: "The purpose of this incorporation is to bring additional capital with which to build a new charhouse in order that we may produce soft sugar, as well as some additional package goods; also to take care of our refinery syrups and at the same time increase our production of refined sugars. The incorporation does not contemplate any change in the present management or personnel of our organization."

Five Floors of \$2,500,000 Club Building for Offices.

Dallas, Tex.—Following approval of revised plans for converting into offices the five upper floors of the thirteen-story building being erected here for the Dallas Athletic Club at a cost of \$2,500,000, construction on the building has been resumed. It is stated that there will be no change in the club features as originally planned, except a reduction in the number of bedrooms to 100 and the installation of two additional elevators to serve the office section independently of the remainder of the building. Lang & Witchell of Dallas are the architects, and the Central Contracting Co. of Houston and Dallas, the general contractor.

Contract for Forty 80,000-Barrel Oil Tanks.

Ponca City, Okla.—Contract has been awarded by the Kay County Gas Co., a subsidiary of the Marland Oil Co. of Ponca City, to the Chicago Bridge and Iron Works of Chicago for the construction of forty storage tanks here for crude oil of 80,000 barrels capacity each. The tank farm of the Marland company is said to have a present capacity of 10,000,000 barrels, the new tanks adding 3,200,000 barrels.

To Build Sulphuric Acid Plant at Jacksonville.

Jacksonville, Fla.—Andrew M. Fairlee, consulting chemical engineer of Atlanta, Ga., has been retained by the Armour Fertilizer Works of Chicago as consulting engineer for the erection of an eight-chamber sulphuric-acid plant at Jacksonville to replace chambers recently destroyed by fire. The new chambers will be of English design, water-cooled.

Plan to Develop 259,000 Horsepower in North Carolina and Tennessee—To Build Three Dams and Power Houses.

Murphy, N. C.—According to an announcement by the Federal Power Commission, Washington, D. C., application has been made to the Commission by the Thompson Power Company, with offices at 56 Wall street, New York, for a preliminary permit for power installations on the Hiwassee River and its tributaries in Polk county, Tennessee, and Cherokee county, North Carolina, for the development of a total of 259,000 horsepower.

Near Appalachia a dam about 90 feet high is contemplated in the Hiwassee, from which a tunnel about five miles long will deliver water to a power-house with an installed capacity of 150,000 horsepower, to be located near the mouth of Coco Creek. Another dam in the Hiwassee below McFarland and a tunnel about five and a-half miles long delivering to a power-house at the mouth of Penitentiary Creek is designed to develop 100,000 horsepower, while a dam 90 feet high in Turtletown Creek, with a wood-stave and steel-pipe conduit delivering to a power-house at the mouth of Turtletown Creek, about one and a-half miles below, is to have an installed capacity of 9000 horsepower.

Officers of the Thompson Power Company include Henry H. Man, president, and William H. Butler, treasurer, both of New York, and John L. Williams, secretary, Wetmore, Tenn.

Big Paper Mill Planned for Texas City—Cotton Mill Also Considered—New \$5,500,000 Sugar Refinery in Operation.

Texas City, Tex.—Plans for the construction of a big paper mill here to manufacture Kraft paper, such as is now imported from Sweden in large quantities, are being considered by Peabody, Houghteling & Co. of New York, according to Alexander Smith, president of the company. It is understood that definite details for the location of the industry will be decided following a few months' successful operation of the new sugar refinery here of the Texas Sugar Refining Co., which is controlled by Peabody, Houghteling & Co.

Announcement has also been made that the company is considering the erection of a cotton mill here. A decision will be reached within six months. A survey has already been made, it is said, by Lockwood, Greene & Co., engineers, of Boston and New York.

Peabody, Houghteling & Co. are interested, it is stated, in the Texas City Terminal Railway Co., and have expended about \$5,500,000 in the sugar refinery. Mr. Smith has recently visited Texas City to inspect the refinery and confer with directors of the company, whose chief problem at this time, it is said, is to make provision for properly housing its employees. The refinery is expected to operate at full capacity throughout the year.

To Build \$600,000 Hotel at Florence.

Florence, Ala.—At a recent meeting of the hotel committee of the Florence Chamber of Commerce arrangements were made with Arkansas interests for the erection of a \$600,000 hotel here. The building will be eight or nine stories, to contain store rooms on the ground floor and 207 guest rooms above, 65 per cent of the latter to be equipped with bath adjoining. It is understood that the hotel will be erected according to the plan of the Hockenbury System, Inc., of Harrisburg, Pa., about \$215,000 to be supplied by local interests, \$100,000 by Arkansas interests and the remainder through a bond issue.

NEWS AND VIEWS FROM OUR READERS

[Publication in this department of letters from our readers does not mean that we either approve or disapprove the views expressed. We believe in a full and frank discussion of the mighty questions of the hour, for only in this way can the truth be found. Therefore we often publish letters with which we do not agree.—Editor Manufacturers Record.]

Sea-Island Cotton Destroyed by Boll Weevil.

G. H. WILLIAMS, Dublin, Ga.

I thank you for the publication of my letter on sea-island cotton in your issue of August 14. I would not bother you with another letter on this subject but for the fact that the headlines you place over my letter indicate that it is by one out of the sea-island belt and not by a grower. I want to say that I was born and reared in Bryan county, Georgia, on the Atlantic coast, in the heart of the sea-island belt and on a sea-island cotton farm; that I worked in sea-island cotton from the time I was large enough to work until the industry was destroyed by the boll weevil, covering a period of 30 years. I was a farmer, operating from 10 to as high as 130 plows.

We grew several hundred bales of this cotton, and in addition to growing it I bought and sold it, and bought and sold as well as operated thousands of acres of sea-island cotton land. I also inspected sea-island cotton lands for the purpose of making farm loans on this land all the way from Buford, S. C., to Ocala, Marion county, Florida. The two largest sea-island cotton markets in the world were Statesboro, Ga., and Valdosta, Ga. I operated in, on and around both these markets until the boll weevil destroyed the valuable enterprise.

I know more about sea-island cotton than any man you ever saw, spoke to or heard from about it. It was the greatest staple that was ever produced from Nature's soil, and it was in its infancy and just beginning to get its proper recognition when the boll weevil came and destroyed it. If it had not been for the boll weevil, we would now be producing no less than 500,000 bales on the Atlantic seaboard, in the states of South Carolina, Georgia and Florida, at a value of no less than \$1 a pound, or a grand total of \$200,000,000, where nothing is growing at a profit now. Not only this, but the land and property in this section would be worth \$1,000,000,000 more than it is today if we had not had the boll weevil.

Charleston, S. C.; Savannah, Ga.; Jacksonville, Fla., and hundreds of other smaller places in the sea-island belt have been paralyzed and set back 30 years by this little outrageous pest, and yet the eye of neither one of the two big political parties that run this great and powerful Government of ours has ever cast the slightest glance at this awful destruction. Isn't it a burning shame? And why? There is but one answer, and that is because the cotton belt is in the Solid South, where we have no recognition, representation or consideration in national affairs, and will never have as long as we give all the support to the Democrats for nothing, and withhold all support from the Republicans at any price. The Federal Government could easily destroy this awful pest and restore this section to its former usefulness and make it prosper as never before at a small cost, but this is the only power on earth that can do it, and it would have been done long ago if the cotton belt were in any other part of the United States except the Solid South. If the cotton belt of the Solid South belonged to Brazil, Greece or Belgium, we would have been protected from this awful pest before now.

In the name of man's inhumanity to man, how long must these conditions last?

Wants Marble Handling Plant in Tampa.

JEANETTE SIMMONS, Publicity Department, Tampa Board of Trade.

We have recently had brought to our attention the fact that there is an opportunity in this city for a marble broker. Perhaps you would like to insert such an item in your magazine.

The marble industry is at a prohibitive disadvantage in Florida and, in fact, Georgia on account of the cost of freight. The results are shown in the comparatively small amount of marble used in the South compared with the North, and the high prices paid for what is used in the South. Where marble is used, investigation shows that only banks and a few others have been able to stand the cost. The future of Florida is big for the marble business when you look into the large building projects throughout the state.

Comparatively speaking, there is a building program in and around Tampa that will call for an expenditure of more than \$34,000,000 within the next few years. A marble broker could well afford to take a chance with this in view. He could secure a location on the Tampa waterfront and near the railroad for shipping and thus avail himself of the low water rates. He could supply not only Tampa but the entire West Coast section, of which Tampa is the natural distributing point. A building could be put up and machinery installed for handling marble, such as gang-saws, to produce slabs of desired thickness; a carborundum wheel for cutting or coping the slabs; a rubbing bed; polishing machines, etc. Meanwhile, secure by boat blocks of the most desirable and marketable marble. Then notify the architects of Florida and the South that the broker is in the business to supply marble at a reasonable cost. An investigation into this proposition will reveal a business necessity that will make the business a staple, properly administered.

Muscle Shoals, Tennessee River, or Mussel Shoals.

A. N. DOBSON, Jacksonville, Fla.

I have noted with some amusement the several letters published from time to time in the MANUFACTURERS RECORD anent the spelling of the stretch of the Tennessee River sought to be acquired by "a manufacturer of a popular-priced car."

The several authors of the letters seem to have overlooked the fact that the spelling of geographic names, in so far as the activities of the Government are concerned at least, is determined by the "Board on Geographic Names," or the United States Geographic Board. This same question has been raised on numerous occasions, but Congress and the Government departments continue to follow the official spelling. The mussels don't seem to say much.

\$250,000 Alabama Coal Mine Transaction.

Birmingham, Ala.—A deal involving \$250,000 has been negotiated here in the purchase by the Pratt Fuel Co. of this city, from the Nelson Coal Corporation, of coal lands, leases and mines in Walker county. The properties include approximately 1200 acres of coal lands and the Red Star mines and equipment on the Southern Railway, 30 miles west of Birmingham. They are adjacent to present holdings of the Pratt Fuel Corporation.

THE IRON AND STEEL SITUATION

Steel Situation Fairly Satisfactory.

Pittsburgh, Pa., September 22—[Special.]—Lettings of fabricated steel jobs reported in the past week totaled 30,000 tons, against 11,000 tons the preceding week. There was a poor week and a good week, the two together being approximately equal to the average for several months. August, as officially reported, showed lettings equal to 59 per cent of the fabricating shop capacity, against 69 per cent in July, but both July and August ran ahead of the same months last year. The average for the eight months of the year through August is 67 per cent, against 66½ per cent in the same eight months of 1923. While the steel market as a whole has appeared less active in recent months than early in the year, structural steel business first fell behind its showing of last year and then made up the loss, being now ½ per cent ahead.

Freight car orders of the past week include 6200 cars ordered by the Illinois Central and 1000 by the Chesapeake & Ohio. Last week there was the 2000-car order of the Texas & Pacific and the week before the 10,000-car order of the Pennsylvania, making with some odd lots 20,000 cars in three weeks, and bringing the total thus far this year to 100,000 cars. This is well ahead of 1923 and well behind 1922.

Rail buying for 1925 has definitely begun, although the tonnage actually bought thus far is not large. The formal inquiry of the New York Central has just appeared for 150,000 tons, with an option on 30,000 tons additional. The Pennsylvania inquiry is expected to be for 150,000 tons and the Pacific roads are counted on for 150,000 tons. All this business is expected to be closed before the end of the year, giving the rail mills a fair order book for the beginning of the new year.

General line of steel products does not seem to have increased in the past week in any product, and on the whole it is possible the buying of the past fortnight has been a trifle under the rate late in August. September is not showing any improvement, which is disappointing to the trade when there was continued improvement during July and August, months usually counted on to be dull.

While the trade is somewhat disappointed at present, the fact that finished steel production and shipments were down to about 45 per cent for July and have since worked up to a rate of close to 60 per cent in the past three or four weeks shows that there has been a decided improvement; and since the average operation of the steel industry since the Armistice has been about 66 per cent, any large increase over the present rate would go above the average, which is hardly to be expected with confidence at a time like this.

The steel situation is not entirely satisfactory to producers, but it represents a fairly good industrial condition generally, for with the future of steel prices uncertain and with buyers receiving extremely prompt shipment on all orders there is no buying except that dictated by actual consuming requirements, which means that steel is being consumed at rather a high rate. A 60 per cent operation now means greater production than occurred in any year prior to 1912, and double the tonnage of any year prior to 1901.

The outstanding feature of the steel market in general is the keenness of mills to effect sales through their effort to maintain the higher operating rate attained late in August. This has led to more frequent price shading in a number of lines, including bars, shapes, plates and sheets. Perhaps some of these lines could be quoted a little lower, as to open market quotations, but mills insist that the effort to obtain former prices continues.

An incident last week was the filing of the Steel Corpora-

tion's report to the Federal Trade Commission that it had abandoned the Pittsburgh Plus system of quoting steel prices and would not resume. The "cease and desist" order was dated July 22, and the corporation had 60 days, to September 20, for compliance. The compliance with the order really began very shortly after the order was issued, so that nothing of particular importance will occur now, unless on the part of independents. Discontinuance of the system might have greatly disturbed a steady steel market, but the market had grown quite irregular before the order was issued.

The pig iron market has continued dull as to turnover, but prices are fully maintained at \$20 for Bessemer, \$19 for basic and \$20 for foundry, f. o. b. valley furnaces.

Connellsville coke is very quiet. Contracts recently placed for fourth-quarter furnace coke at \$3.25 have closed up all visible requirements for the period, and additional contracting will occur only as idle furnaces may go in. Of this there is no immediate prospect. Spot furnace coke remains at \$3 to \$3.10 and spot foundry at \$4.00 to \$4.50, with more tonnage than formerly going at the lower figure.

Better Feeling Again Manifest at Birmingham.

Birmingham, Ala., September 22—[Special.]—Decidedly better feeling is noted in the Southern pig iron market, sales are being made, a number of orders for round tonnages having been booked, with others in prospect. There is little uncertainty as to the probable activity during the last three months of the year. Quotations are strong on an \$18 to \$18.50 per ton base, No. 2 foundry, with two or three of the active producers admitting having sold fairly well into the last quarter. The resumption by the Sloss-Sheffield Steel & Iron Company of a blast furnace—No. 2 city furnace in Birmingham—is followed by the Woodward Iron Company, the Vanderbilt furnace resuming operations this week. Other blast furnaces in this district are in shape for operation, including one of the Gadsden furnaces of the Alabama Company, which may be started up before long.

The selling movement, which started a few weeks ago, is said to have included two orders for round tons, the total now amounting to considerable. It is believed that the selling under way will develop into a regular impetus and that within a short while, just before or immediately after the turn of the new month, a large proportion of the probable make of the fourth quarter will have been covered. One of the larger melters of iron in the South is reported to have been in the market and purchased against probable needs of the future.

Estimate is made that there is a little less than 100,000 tons of foundry iron on the furnace yards in Alabama, but the amount is not considered as likely to have any effect on future prospects.

Twenty-three blast furnaces are in operation in Alabama, nine on basic iron.

While it is generally understood that much of the iron sold for delivery during the fourth quarter of the year was disposed of at \$17.50 per ton, No. 2 foundry, that price appears to have dissolved and \$18 is the minimum. The smaller interests withheld from the market steadily at the \$18 per ton price, especially where there is machine cast iron. One dollar per ton increase in prices is being sounded out verbally, and belief is that before the end of the year \$20 will be a fact.

Raw-material supplies for blast furnaces are easily provided, nor will any addition to the labor forces be necessary.

The Alabama Company is pushing the completion of one and a half miles of trackage to get to ore mines which are

being revived and which, with a mile or so of the Louisville & Nashville track, will furnish transportation from the mines to the furnaces direct at Gadsden. The company has opened a new coal mine at Mary Lee, 10 miles from Birmingham, and is erecting a concrete tippie and coal washer, the latter to be completed in the near future. Its coal and coke output has been pretty well covered for the future and pig iron selling has been with caution, the one furnace in operation not being able to stock much of its output, and hope is expressed that within a few weeks the second furnace can operate.

The steel mill operations are showing slight improvement. The steady pace at which the plants of the Tennessee Coal, Iron & Railroad Company have been operating is being kept up. The Gulf States Steel Company is operating 50 per cent of its open-hearth furnaces and its finishing mills on at least 80 per cent capacity. Steel fabricators in the district report some good work coming in right along. The Southern Steel Company is working on several contracts for structural steel, including 150 tons for the Fifth Avenue Presbyterian Church, 75 tons for a courthouse in Mississippi, steel in various shapes for the Southern Railway Office building, Redmont Hotel and Mortgage Bond Building, either under construction or about to be started on in Birmingham. The Welded Products Company has new contracts for tanks for oil and gasoline and is using considerable plate.

Steel fabricators and rollers announce that no material effect will be felt in this district by reason of the elimination of the Pittsburgh-plus plan of price making. The Tennessee Coal, Iron & Railroad Company (United States Steel Corporation) has not been applying the plan to its market here. The customers of the company state that their treatment has been fair and that the company having the privilege, or rather commanded to, in making prices, may not deal as liberally in the future as in the past. The Gulf States Steel Company, independent, states it is not interested in the recent decision and will, as in the past, meet competition. Birmingham, through the Civic Association, which was then in existence, entered into the fight against the Pittsburgh-plus plan back in 1919. Steel users and producers in this district gave testimony but there was not much condemnation in the trade direct. Consensus of opinion among the consumers of steel, fabricators and rollers, is that the elimination of the price plan (not practiced here) will not affect the district at all.

Coal production in Alabama is gaining some, but the market is yet quiet. Transportation companies are taking a little more steam coal than a month ago, but the production is not materially increased.

Coke continues slow with no increase in production. Quotations show no strength, ranging from \$4.50 to \$5.25 per ton, furnace and foundry coke.

A new tank-making plant is to be established in Birmingham by Ohio people, a site having been negotiated for in the city limits, with ample railroad facilities.

The Knights Iron & Metal Company, scrap iron and steel dealers have purchased 12-acres for a site for larger yards in Birmingham, the new place to be put in shape by the end of the year, the business of the firm to be increased.

PIG IRON.

No. 2 foundry, 1.75 to 2.25 per cent silicon, f. o. b. furnaces, \$18.00 to \$19.00; No. 1 foundry, 2.25 to 2.75 per cent silicon, \$18.50 to \$19.50; iron of 2.75 to 3.25 per cent silicon, \$19.00 to \$20.00; iron of 3.25 to 3.75 per cent silicon, \$19.50 to \$20.50; iron of 3.75 to 4.25 per cent silicon, \$20.00 to \$21.00; charcoal iron, f. o. b. furnace, \$30.00 to \$31.00.

OLD MATERIAL.

Old steel axles	\$17.00 to \$18.00
Old iron axles	19.00 to 19.50
Old steel rails	12.50 to 13.00
Heavy melting steel.....	12.50 to 13.00
No. 1 cast.....	14.00 to 15.00
Stove plate	13.50 to 14.00
No. 1 R. R. wrought.....	12.00 to 13.00
Old car wheels	14.00 to 15.00
Old tramcar wheels.....	15.00 to 16.00
Machine shop turnings.....	6.00 to 7.00
Cast-iron borings	7.00 to 8.00
Cast-iron borings (chem.)	14.00 to 15.00

RAILROADS

New Equipment and Rails.

Southern Railway is contemplating the purchase of 25 Mikado type locomotives, 15 Pacific type and 10 switching 8-wheel locomotives; also 2500 box cars and 250 stock cars, all 40 tons capacity; 250 flat cars, 50 tons capacity, and the following all-steel passenger cars: 25 coaches, 10 baggage-express cars and 3 dining cars. Total cost, \$8,235,000.

Atlantic Coast line has ordered 30,000 tons of steel rails, of which 20,000 tons will be rolled by the Tennessee Coal, Iron & Railroad Co., Birmingham, Ala., and 10,000 tons by the Bethlehem Steel Co., Sparrows Point, Md. Illinois Central Railroad has also ordered 20,000 tons of rails from the Tennessee Coal, Iron & Railroad Co., 25,000 tons from the Illinois Steel Co. and 15,000 tons from the Inland Steel Co. New York Central Railroad will purchase from 150,000 to 180,000 tons of rails, according to its inquiry in the market. Chesapeake & Ohio Railway has ordered 12,300 tons of rails, viz.: 5000 tons from the Illinois Steel Co., 5000 tons from the Inland Steel Co., and 2300 tons from the Bethlehem Steel Co.

Chesapeake & Ohio Railway has ordered 500 hopper cars from the Illinois Car & Equipment Co. and 500 from the Richmond Car Works.

Chicago, Burlington & Quincy Railroad will buy 2000 box cars and 500 coal cars.

Santa Fe System, it is reported, will purchase some passenger cars.

San Antonio & Aransas Pass Railway has ordered 5 locomotives from the Baldwin Works.

Missouri-Kansas-Texas Railway has ordered a gasoline passenger motorcar and trailer from J. G. Brill Co.

A High-Class Railroad Magazine.

The September issue of the Norfolk & Western Magazine is a very attractive number. It opens with an account of the annual outing of the Roanoke and Shenandoah mechanical associations, accompanying which is a page group of photographic reproductions of scenes at this all-day picnic, which was enjoyed at Grottoes, Va. Next following is a more serious article entitled "The Inquisitive Reporter Turns Chemist," in which Ray L. Rhode tells about the manufacture of baking soda at the Mathieson Alkali Works, Saltville, Va., which contribution is also illustrated. J. W. Wade, general storekeeper of the railway company, writes concerning the adoption of a motto by the stores department: "A Place for Everything and Everything in Its Place." This, he says, results in large economies. Several pictures illumine the text. There are many other interesting items in the magazine, the editor of which is Holcombe Parkes.

Railroad Financing.

The Texas Pacific-Missouri Pacific Terminal Railway Co. of New Orleans has applied to the Interstate Commerce Commission for authority to issue and sell \$5,000,000 of 5½ per cent first mortgage bonds, which will be sold to Kuhn, Loeb & Co. of New York at 97½.

Application has also been made to the Commission by the Rio Grande City Railway Co. for authority to issue \$440,000 of bonds to provide for the construction of its line from Rio Grande City to Sam Fordyce, Texas, 22 miles. Albert Steves and others, all of San Antonio, Texas, are interested.

P. E. Thomas has been appointed commercial agent for the Seaboard Air Line Railway at Lake Wales, Fla.

GOOD ROADS AND STREETS

Over 2000 Miles of Road Completed or Under Construction in West Virginia.

Charleston, W. Va.—According to the annual report of the State Road Commission of West Virginia, improvements on state highway routes at the close of the fiscal year ended June 30, completed or under construction, reached an aggregate of 2030 miles. Since its appointment in 1921 the commission has had available funds from two state bond issues of \$15,000,000 each and \$2,033,352 of Federal-aid funds. From the total of these it has constructed or let to contract 1223 miles of roads, 91 large bridges, 250 small bridges, and has reconstructed roads taken over from various counties as a part of the state system.

A total of 789 miles had been hard-surfaced up to the close of the fiscal year, with 374 miles under construction, while grading had been completed on 369 miles and is in progress on 497 miles.

Plans \$300,000 of Paving and Road Building.

Hattiesburg, Miss.—Forest county plans \$300,000 worth of paving and road building during the next year or two, details for which have not been worked out as yet. Federal aid will be asked.

Contract will be awarded on October 6 by the county board of supervisors, of which J. B. Lindbaugh is president, for the construction of a bridge and approach over Black Creek, between Hattiesburg and Wiggins, to cost about \$25,000. Plans and specifications are on file at the office of the state highway engineer at Jackson and at the office of the chancery clerk at Hattiesburg.

Mississippi to Contract for 36 Miles.

Jackson, Miss.—Four road projects, embracing a total of 36.5 miles, will be awarded by the Mississippi State Highway Commission within the next few weeks. These projects cover 10 miles of Federal-aid road on the Vicksburg-Rolling Fork highway, contract to be let at Rolling Fork October 1; 6.5 miles of the same road in Issaquena county, bids to be opened at Mayersville on October 9; 18 miles between Bay St. Louis and the Louisiana state line, bids to be opened at Bay St. Louis on October 7, and for 2 miles between Yazoo City and Belzoni, bids to be opened at Yazoo City on September 30.

May Vote on \$1,000,000 Road Bonds.

Beaumont, Tex.—At a recent meeting here of county precinct representatives, E. C. Bracken, general manager of the Beaumont Chamber of Commerce, submitted a proposal for an election on \$1,000,000 of Jefferson county bonds for the construction of roads. These bonds, it is said, could be met within thirty years by an unused margin of road maintenance funds without additional taxation. A committee of 29, with H. M. Hargrove of Beaumont, chairman, was appointed to formulate a report as to the necessity of building highways for submission to the commissioners' court.

Drainage Ditch to be Used as Street.

San Antonio, Tex.—Survey work has begun for a concrete drainage ditch 30 feet wide and 4600 feet long which the city of San Antonio will construct in Highland Park, and which may also be used as a street. Curbs will be one foot high and the entire surface constructed of reinforced concrete, making a well-paved street as well as serving for water disposal. The cost is estimated at \$50,000. Paul Steffler is street commissioner.

Kentucky Will Let Contract for 156 Miles—Nine Bridge Projects Also to Be Awarded.

Frankfort, Ky.—It is announced that bids will be received until October 29 by the State Highway Commission at its office in this city for road work covering 156.3 miles, in addition to nine bridge projects. Road work for the most part will be for grading, although contracts will be awarded for surfacing on a number of projects. Counties in which work will be done are the following: Breckenridge, Floyd, Clay, Crittenden, Daviess, Green, Hardin, Larue, Jackson, Madison, Magoffin, Meade, Morgan, Metcalfe, Scott, Whitley, Wolfe, Lawrence and Pendleton. Bridge work will be in Clark, Cumberland, Metcalfe, Magoffin, Morgan, Johnson and Floyd counties.

New Road District in Florida.

Dunedin, Fla.—A new road district has been formed in Pinellas county, including Dunedin, Ozona and Curlew, and it is expected bonds will soon be voted for the construction of a 16-foot boulevard from Dunedin to the new concrete bridge at Oldsmar. The boulevard will be comparatively level and straight, having but two small bridges.

Another project planned for the new district is the construction of a paved roadway from Dunedin to Ozona, opening up a waterfront property for a distance of about four miles.

Asks Bids in Greenville County.

Greenville, S. C.—Bids will be received until October 8 at the office of the Greenville County Supervisor in this city, for the construction of 6.395 miles concrete, sheet asphalt or asphaltic concrete on a state road in Greenville county, beginning at a point near Paris and extending to a point approximately 1.5 miles west of Greer. Plans are on file at the office of E. D. Sloan, division engineer, Greenville, and with the state highway engineer, Columbia.

Largo District Votes \$400,000 of Bonds.

Largo, Fla.—A bond issue of \$400,000 has been voted by special road and bridge district No. 4, known as the Largo district, for the construction of ten road projects. These embrace a total nearly 25 miles and will connect the citrus-producing territory about Largo with roads under construction and reaching within a few miles of this section.

Oklahoma Roads to Cost \$443,000.

Oklahoma City, Okla.—Bids have been accepted by the State Highway Commission of Oklahoma for the construction of roads to cost \$443,128. Work contemplated will include more than 20 miles of gravel to cost \$244,381 and 6.27 miles of concrete to cost \$198,757. Formal contracts on the projects have not yet been awarded.

To Improve 40 Miles in a North Carolina County.

Bakersville, N. C.—Bids will be received by the Mitchell County Board of Road Commissioners at its office in this city, until October 7, for road work embracing a total of 40 miles. Surfacing will be made from local materials along the roads where possible and bids are to be on a yardage basis.

The Kanawha County Court, Charleston, W. Va., will open bids October 1 for construction of six miles of gravel road on the Dunbar-Sattes highway, and for grading and surfacing a 14-foot road over Tyler Mountain.

LUMBER AND BUILDING MATERIALS

Little Change in Lumber Trade.

Washington, Sept. 18—As measured by reports from 364 of the chief commercial softwood lumber mills of the country, the national lumber movement increased decidedly during the week ending September 13, as compared with the week ending September 6, which was, however, a short working week on account of Labor Day. On the other hand, although new business gained about 24,000,000 feet, or 10 per cent over that of the preceding week, it was 40,000,000 feet less than the volume of new business in the corresponding week of 1923. Shipments were a little less than in 1923 and production decreased about 10 per cent.

The unfilled orders of 120 West Coast mills were 358,155,092 feet, as against 345,038,789 feet for 119 mills a week earlier. The report of the Southern Pine Association was not received in time for publication.

For the 364 comparably reporting mills, last week's shipments were 98 per cent and orders 99 per cent of actual production. For the Southern Pine mills by themselves these percentages were 103 and 103, respectively, and for the West Coast group 100 and 108.

Of the foregoing mills, 338 have a determined normal production for the week of 217,850,009 feet, according to which actual production was 97 per cent, shipments 95 per cent and orders 97 per cent of normal production.

The following table compares the national lumber movement as reflected by the comparably reporting mills of seven regional associations for the three weeks indicated:

	Past week.	Corresponding week 1923.	Preceding week 1924 (revised).
Mills	364	388	366
Production	227,223,229	252,923,366	217,889,755
Shipments	223,354,158	230,440,359	208,279,026
Orders	225,565,709	265,840,895	201,858,957

The following figures compare the reported lumber movement for the first thirty-seven weeks of 1924 with the same period of 1923:

	Production.	Shipments.	Orders.
1924	8,595,574,860	8,536,588,307	8,282,126,837
1923	9,025,995,157	9,078,708,849	8,554,693,980
1924 Decrease	430,420,297	542,120,542	272,567,143

LUMBER MOVEMENT FOR THIRTY-SEVEN WEEKS AND FOR THE WEEK ENDING SEPTEMBER 13

	Production		Shipments		Orders	
	1924	1923	1924	1923	1924	1923
Southern Pine Association:						
Total	2,846,414,085	2,866,191,288	2,858,763,814	2,924,701,963	2,793,771,443	2,765,092,076
Week (133 mills).....	73,375,019	80,145,601	76,073,712	76,140,310	75,630,392	91,092,655
West Coast Lumbermen's Association:						
Total	3,406,185,652	3,677,677,577	3,575,499,886	3,888,938,519	3,459,036,525	3,740,262,772
Week (120 mills).....	94,021,810	110,352,048	94,010,569	107,189,245	101,952,325	129,328,750
Western Pine Manufacturers Ass'n:						
Total	1,149,736,000†	1,227,304,000†	1,065,789,000†	1,088,192,000†	1,051,075,000†	1,007,980,000†
Week (30 mills).....	30,262,000	35,129,000†	27,371,000	23,050,000†	22,850,000	21,325,000†
California Redwood Association:						
Total	317,486,000	328,316,000	253,702,000	331,513,000	251,308,000	321,427,000
Week (15 mills).....	8,347,000	5,326,000	6,231,000	5,159,000	7,079,000	5,541,000
North Carolina Pine Association:						
Total	277,733,523	324,163,112	277,324,107	334,818,324	240,215,869	266,761,232
Week (32 mills).....	4,737,000	7,355,537	3,947,077	6,610,861	4,771,992	6,067,490
Northern Hemlock and Hardwood:						
(Softwood) Total	99,812,000	95,736,000	84,874,000	94,798,000	67,870,000	83,697,000
Week (17 mills).....	2,829,000	1,740,000	2,520,000	1,528,000	1,893,000	1,567,000
Northern Pine Manufacturers Ass'n:						
Total	344,381,600	400,954,180	308,304,500	304,778,043	315,844,000	269,276,900
Week (9 mills).....	10,888,400	11,825,180	9,418,800	8,194,943	8,156,000	9,284,000
General total for 37 weeks:						
(Softwood)	8,441,748,860	8,920,342,157	8,424,257,307	8,967,739,849	8,179,120,837	8,454,496,980
Northern Hemlock and Hardwood:						
(Hardwood) (37 weeks).....	153,826,000	105,653,000	112,331,000	110,969,000	103,006,000	100,197,000
California White and Sugar Pine:						
Total	732,628,000*	.....	538,133,000*	.....	522,556,000*	.....
Week (no report).....	.....	.....	.....	.....	.....	.....
General total for week.....	227,223,229	252,923,366	223,354,158	230,440,359	225,565,709	265,840,895

*Figures for 36 weeks; not included in general totals. No report for current week.

†Revised.

No report was received this week from the mills of the California White and Sugar Pine Association.

The West Coast Lumbermen's Association wires from Seattle that new business for the 120 mills reporting for the week ending September 13 was 8 per cent above production, while shipments were 8 per cent below new business.

The Southern Pine Association, 133 mills reporting this week as against 130 for the preceding week, shows a gain of about 1,000,000 feet in production, somewhat more in shipments and more than 10,000,000 feet in new business.

The Western Pine Manufacturers' Association of Portland, Ore., reports good gains in all three factors. Identical mills show a slight increase in all three factors compared with the preceding week, making allowance for Labor Day.

The California Redwood Association of San Francisco reports production practically the same as for last week, a small increase in shipments and a marked gain in new business.

The North Carolina Pine Association of Norfolk, Va., reports a noticeable decrease in all three factors, due largely to the fact that nine fewer mills reported this week than for the week before.

The Northern Hemlock and Hardwood Association of Oshkosh, Wis., (in its softwood production), reports a marked gain in production, while shipments and new business more than doubled last week.

The Northern Pine Manufacturers' Association of Minneapolis reports a considerable decrease in production and a marked gain in shipments; new business remained about the same as for the preceding week.

Brownwood, Texas, September 20.—The Brownwood Rock Crusher Co., on the Hall Mountain lease of the Santa Fe Railroad Company, is turning out twenty-five cars of crushed rock daily, the rock being used to ballast tracks of the Santa Fe system in Texas. The plant cost \$350,000 ready for operating. Rock is being taken from a ledge 20 feet thick and covering an area of 200 acres.

HOW GEORGIA LUMBERMEN HAVE WORKED FOR REFORESTATION.

Going to the Public With Arguments an Example for Every Corporation and Every Industry.

Atlanta, Ga., Sept 12—[Special.]—Georgia lumbermen are elated over the success of their publicity campaign to arouse the people of that state to a realization of the depleted condition of Georgia's forests and to the need for better protection and conservation methods.

The campaign, started last year under the direction of C. B. Harmon, secretary of the Georgia Forestry Association, has gained steadily in momentum, until now practically all of the leading papers of the state are carrying at least one item on forestry each week.

"We realized at the start," says Mr. Harmon, "that nothing could be done towards conserving the forests of Georgia or towards replanting deforested areas unless the demand for better forestry methods could be secured from the people of the state. This must be the foundation of every lasting reform, reforms in forest methods included.

"But how to bring about that demand was the problem. The newspapers of the state seemed the logical starting point for the campaign. If we could sell forest conservation to the editors of the state press, we could, through them, sell it to the people of the state at large.

"Those of us who were familiar with publicity work, however, realized that only a very small per cent of ordinary publicity material could be expected to find its way into print.

"It is hard to get an editor interested in any kind of an article when he has a desk full of them, more than he can use in the coming issue of his paper, and particularly hard to get him interested in multigraphed articles such as we would have to send out. Ordinarily he will not bother to read them, and the larger and more influential his paper the less chance there is of his reading the material.

"Finally, we decided to send a special letter to each editor. A letter, we felt, would attract his attention better. It would be shorter and more likely to be read. And it could call attention to something in the publicity article, arouse his curiosity and induce him to read it. We secured a list of 135 influential papers throughout the state, a list not only of the papers but of their editors as well, and started our publicity work with this in mind. And it has worked to perfection.

"Today every one of those 135 papers is using our material regularly. The country editors are not only reading our letters and printing our publicity material, but they are writing their own editorials about forestry in Georgia. Every month our press clipping agency sends us hundreds of articles on forestry that have emanated from our office or from the pens of editors who have taken their lead from the forest program of the Georgia Forestry Association. It has been the most effective publicity campaign ever carried out in Georgia.

"Of course, the fight is still far from being won. The state legislature has not yet passed the forestry legislation asked of it, and has so hindered the advance of our program for better forestry. But the foundation is being rapidly laid upon which a strong forestry department and a progressive forest program will be built in the not distant future, for the state has been sold on better forestry. And the editors of Georgia are working together, making their influence felt more and more, welding together a public sentiment that will shortly demand action on the part of the state legislature and the enforcement of laws to protect and build up Georgia's forests.

"From utter indifference, the public has been so changed that it is beginning to demand a state department of forestry. And this is going at things in the right way. Past experience

has taught us that legislation from the top cannot be made effective. But legislation from the bottom, arising from the demand of a great majority of the people for certain changes, can be enforced and maintained. In selling better forestry to the editors of the state, and, through them, to the people of the state, we feel that we are beginning at the bottom and in the right way.

"We are disappointed at the failure of the state legislature to pass our two forestry bills—yes. But are we downhearted? No, because we know from the increased use of our publicity that the demand is increasing from the people and that ultimately we shall gain our ends more effectively for the delay."

The policy and methods being followed by the Georgia Forestry Association might well be adopted by other states and for other purposes. Effective legislation must arise from the demand of the public, which forms its opinions and makes its demands pretty largely through the influence of the newspapers it reads.

Will Add 13,000 Acres to National Forest.

Elkins, W. Va.—According to W. E. Hedges, forest supervisor, with offices in this city, the Government will add approximately 13,000 acres to the Monongahela National Forest, which already embraces 161,000 acres of cut-over lands. These are located in the counties of Randolph, Tucker, Pendleton and Pocahontas in West Virginia, and Highland county, Virginia. Properties to be acquired are located in Pocahontas and Randolph counties.

Offers Site for Golf Course and Clubhouse.

Sarasota, Fla.—At a recent meeting of citizens at the rooms of the Chamber of Commerce here, Andrew McAnsh, who owns a tract of land on the Fruitville road, about a mile east of Sarasota, submitted a proposition for organizing a golf association and building a golf course and clubhouse. Plans of Mr. McAnsh contemplate the donation to a holding company of a tract of sufficient acreage to build a course and give to each subscriber a life membership at \$1000 a building lot near the course. The holding company would also own 120 acres on which it is planned to build the course, and the money subscribed would be used to build the clubhouse, equipped with a swimming pool and showers, and construct the course. It is also planned to have one or two lakes on the property.

To Raise \$1,250,000 for Memorial Building—Institutional Structure for Use of All Creeds.

St. Louis, Mo.—A local and national campaign will be started on October 12, to continue until October 24 in St. Louis and for a longer period throughout the nation, in an endeavor to raise \$1,250,000 for the Bishop Tuttle National Memorial, which will take the form of a building in connection with Christ Church Cathedral here. As a voluntary contribution to the memorial, Jamieson & Pearl of this city have drawn plans for the building, which will contain an auditorium to seat several hundred people. Other facilities will include a swimming pool, gymnasium, theater and additional features to meet the needs of adults, young people and children.

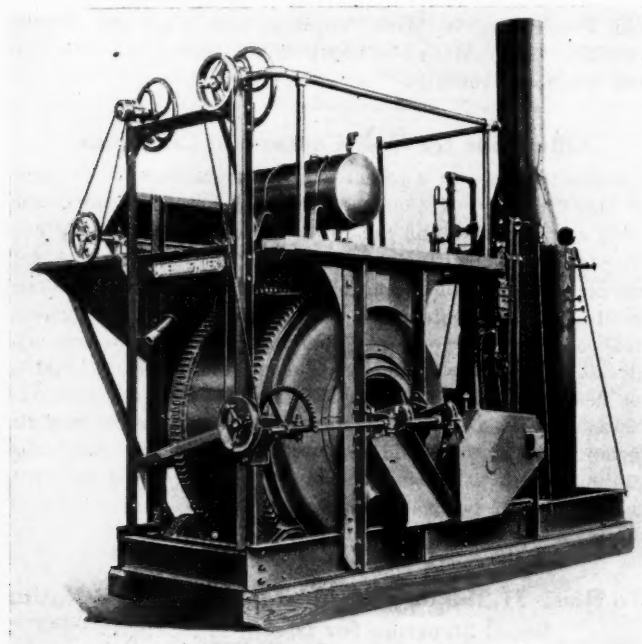
It is the purpose of the promoters of the memorial to have a building for the use of all St. Louis, regardless of creed or church affiliation. Bishop Frederick F. Johnson of St. Louis is national chairman of the memorial committee, of which more than fifty bishops and many prominent laymen in all parts of the country are members. Membership of St. Louis committee embraces representatives of the Roman Catholic, Jewish and Protestant denominations.

MECHANICAL

Improved Concrete Mixer.

A timely improvement, made to keep in close touch with contractors' problems, has been put on the market in the three level operating control for the heavy-duty concrete construction mixer made by the Koehring Company, Milwaukee, Wis., and known as No. 218. This new feature, which is applied to the machine when it is equipped with batch hopper, will be welcomed everywhere because it adds to the practicability of the mixer and so enhances its economic value. It has already met with high appreciation wherever used or shown.

The builders say that purchasers have a choice of any of three distinct points of control, viz., bottom or ground control, intermediate control, or overhead control, and that with this placing of control points the machine has greater versatility when it is being used in crowded positions or in places where a single ground control would be inadequate. The overhead platform, which is built into the mixer when this control is specified, simplifies control when the machine is set in a depression on the ground or when overhead bins



MIXER WITH OVERHEAD CONTROL.

are used. An intermediate platform can be built around the mixer, making the control point at the top of the batch hopper waist high to the operator, and this arrangement lightens the task of handling the cement into the hopper by the operator. Ground control is used when the aggregates are discharged from an elevated bin into the batch hopper and the operator operates it from the ground. These three control points make the mixer adaptable to every conceivable job layout which ordinarily would not be practicable.

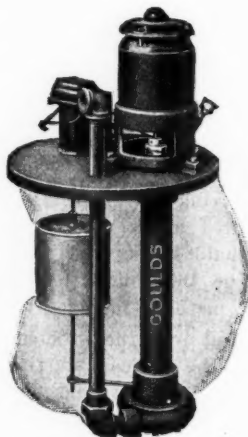
A cast steel, pivoted, swinging type, batch hopper gate, with an opening 11 by 20 inches, has also been installed on this mixer, replacing the old sliding gate, and it is noted that this new type gives no chance for materials to lodge or clog in the opening, the result being faster charging. Materials can be charged into the drum in fifteen seconds.

The machine is mounted on either skids or regular steel rim wheels, and is made with either steam, gasoline or electric power as preferred.

Automatic Pump for Draining.

A new cellar drainer that is a small standard unit, completely assembled, as shown in the picture herewith, including motor, electric starter and float switch, is being placed on the market by the Goulds Manufacturing Company, Seneca Falls, N. Y. This device is used for draining cellars, pits, pipe trenches, etc., and it is made in only one size. When the sump is full the float rises and actuates the switch, which in turn

starts the motor that runs the pump, and when the sump has been drained the float falls and the motor is stopped.



NEW SUMP PUMP.

The pump has a cast-iron volute casing, open-type bronze impeller, Tobin bronze shaft and 1/4-inch mesh strainer. The pump is suspended by a 2 1/2-inch steel pipe, the pit cover is 20 inches in diameter and fits into the bell of a standard 18-inch sewer tile. The pit depth is 24 inches. The pump shaft is supported by an S. K. F. ball thrust bearing mounted in dustproof housing and lubricated by grease cup. The pump shaft is connected to the motor shaft by a flexible coupling. The motor is a 1/4-horsepower, vertical type dripproof machine, mounted on the pit cover. The motor shaft does not carry any weight of the pump parts. For single-phase current repulsion type motors of different capacities can be used, and for direct-current a compound-wound type motor. The switch is of the double-pole type and is mounted on the pit cover, all working parts being entirely enclosed. A copper float and a brass rod actuate the automatic switch.

Capacities range from 10 to 35 gallons per minute, according to head and motor used.

Commendations, Kicks and Comments

The Exponent of America.

H. W. BUTTERWORTH & SONS COMPANY, J. EBERT BUTTERWORTH, Treasurer, Greenville, S. C.—I have been reading with much interest every issue of the RECORD since I became a subscriber and highly endorse the views reflected in your columns. The MANUFACTURERS RECORD is not only an exponent of the South, but an exponent of all the ideas and principles that are for the good of the country at large.

From Far-Away Africa.

L. M. MCHUNE, Secretary, Chamber of Commerce of the United States of America in South Africa, Johannesburg—We have found the RECORD a valuable publication, and not alone has it been available to our members but from time to time we have sent copies to other organizations of Governmental Departments—particularly the "South African Railways and Harbors."

Quit His Party Because of Its Tariff Views.

JAMES B. CASSADA, Southern Fuel Company, Savannah, Okla.—I was raised near Asheville, N. C., a Democrat, but left the party on account of its views and stand on the tariff questions. I value the MANUFACTURERS RECORD above all the good publications I am taking, Literary Digest not excepted. I am sending you herewith my check for \$6.50 for one year's subscription to the MANUFACTURERS RECORD.

Evidently Does Not Like Our Tariff Position.

CHARLES H. SMITHEY, Building Contractor, Welch, W. Va.—A short time ago I renewed my subscription for your magazine, but now I wish to ask that you discontinue sending this to me any longer. The use I have had in the past for the magazine was for business purposes, but as long as business is off now and promoting the welfare of partisan politics I do not find further use for it. Besides, I can get the same news you are publishing direct from Republican headquarters free. So kindly discontinue same.

CONSTRUCTION DEPARTMENT

EXPLANATORY

Additional information is published about all enterprises mentioned in this department as soon as such data can be obtained.

An asterisk (*) following an item indicates that the enterprise has been reported in a preceding issue.

DAILY BULLETIN

The Daily Bulletin is published every business day to enable its subscribers to follow up promptly the industrial, commercial, railroad, financial, building and general business development of the South and Southwest. To machinery manufacturers and dealers, contractors, engineers, and others who require daily information of every new enterprise organized and details about important additions to enterprises already established, the Daily Bulletin is invaluable. Subscription price, \$20.00 a year.

Airplane Plants, Stations, Etc.

Fla., Delray—Johnson Aeroplane Corp., capital \$50,000, chartered with Jess C. Johnson, Pres.-Mgr.; C. Y. Byrd, Sec.

Bridges, Culverts and Viaducts

Ala., Birmingham—City Comm. and railroads approved plans to build viaduct over railroad tracks at Twenty-fourth St.

Ala., Mobile—Board of Revenue plans erecting toll bridge across Mobile Bay.

Fla., Clearwater—Pinellas County will construct 2 bridges. Details under Road and Street Construction.

Fla., Kissimmee—City Commrs. will receive bids Sept. 26 for concrete bridge over Neptune road, 30-ft. clear span, 20-ft. clear road; B. B. Doughten, City Mgr.

Fla., Miami—Harrington, Howard & Ash, Engrs., 1012 Baltimore St., Kansas City, Mo., have plans for bridge across Miami River at Fifth St. Address City Mgr. Wharton.

Fla., Palm Beach—Palm Beach County plans building two-way bridge over Boynton Canal, on Dixie Highway; approximate cost \$16,000. Address County Commrs., West Palm Beach.

Fla., Sarasota—City plans building bridge over Hudson Bayou, from foot of Orange Ave., Sarasota; will vote Oct. 6 on \$25,000 bonds; E. J. Bacon, Mayor.*

Fla., Tampa—City Comm. and Seaboard Air Line, W. D. Faucette, Ch. Engr., Norfolk, Va., are considering plans for viaduct over Seaboard Air Line's tracks and yards, at foot of Lafayette St.; approximate cost \$200,000, each to pay half; W. Leslie Brown, City Mgr.

Ga., Columbus—State Highway Dept., East Point, Ga. Details under Road and Street Construction.

Ga., Cordele—Crisp and Worth Counties Commrs. will receive bids Oct. 6 for concrete bridge connecting Crisp and Worth Counties; approximate cost \$10,000.

Kentucky—State Highway Dept., Frankfort, plans building 5 bridges: Clay County, overhead crossing on C. & O. R. R. on Winchester Station road, 50-ft. T beam; Cumberland County, two-beam and three-girder concrete bridge on Glasgow-Burkesville road; Metcalfe County, five T beam bridge on Glasgow-Burkesville road; Magoffin County, three concrete through girder spans and superstructure on Salyersville-West Liberty road; Morgan County, over Licking River, 6 mi. south-east of West Liberty, steel span superstructure, abutment for steel span and approach spans; Johnson-Floyd Counties, three concrete beam road bridge at county line at East Point; Joe S. Boggs, State Highway Engr.

Ky., Shelbyville—State Highway Comm., Frankfort, plans reconstructing 2 bridges in Shelby County on Midland Trail, over creek at east entrance to Shelbyville; over Guest

Creek, about 3 miles east Shelbyville; Joe S. Boggs, State Highway Engr.

Louisiana—Louisiana Highway Comm., Raymond Bldg., Baton Rouge, received low bids for 4 bridges and 1 culvert: Iberia Parish, 2 creosoted timber bridges and creosoted timber culvert on New-Iberia-Delcambre Highway, Lafayette Construction Co., Lafayette; Concordia Parish, repair Turtle Lake and Cross Bayou bridges, on Ferriday-Jonesville Highway, Calhoun & Cross, Ferriday.*

Miss., Hattiesburg—Forrest County, Board of Supvrs., will receive bids Oct. 6 for steel and concrete bridge over Big Black Creek; cost \$25,000; plans, etc., on file and from State Highway Comm., Jackson, Miss.; J. B. Limburgh, Pres. of Board.

Miss., Hickory—State Highway Comm., Jackson, Miss., let contract to M. J. Talbert, at \$16,000, for bridge across Chunky River, between Chunky and Hickory and Newton County.

Miss., Jackson—Hinds County Board of Supvrs. will receive bids Oct. 8 to build bridge over Black River at Cox's Ferry; W. W. Downing, Chancery Clk.

Mo., Troy—Lincoln County will receive bids Oct. 8 to build 2 bridges and gravel 2 sections of State Highway near Troy. Address County Commrs. (See Machinery Wanted—Steel.)

N. C., Danbury—Stokes County will receive bids Oct. 6 to build 7 concrete bridges. Address County Commrs.*

Okla., Cherokee—Alfalfa County plans building nine bridges. Details under Construction News—Road and Street Construction.

Okla., Frederick—Tillman County purchased toll bridge across North Fork of Red River, on Tipton-Altus road, to be operated as free bridge; E. M. Cason, County Commr.

Okla., Grove—Delaware County Commrs. will receive bids Sept. 26 to build steel bridge across Honey Creek, near Grove; estimated cost \$12,000*

S. C., Aiken—Details under Road and Street Construction.

S. C., Charleston—Sullivan's Island Improvement Society, Alfred O. Halsey, Pres., plans constructing 27-ft. wide concrete bridge connecting Mount Pleasant and Sullivan's Island; also plans causeway from Mount Pleasant across Shem Creek to Cooper River.

Tex., Brownsville—Cameron County will receive bids soon for reinforced concrete and steel bridge across Arroyo Colorado, near Stuart Place, estimated cost \$30,000; W. O. Washington, Engr.; Oscar B. Dancy, Judge.

Tex., Dickens—Dickens County will receive bids Oct. 21 for .02 mi. reinforced concrete deck girder bridge across Duck Creek, on Dickens-Motley Highway, 18-ft. roadway, 29,544 lbs. reinforcing steel; J. W. Alger, County Engr.; H. A. C. Brummett, County Judge.

Tex., Houston—City and Harris County interested in building bridge at Seventy-second St. above Turning Basin. Address The Mayor or County Commrs.

Tex., Jacksboro—Jack County will receive bids Oct. 3 for 2 bridges over 20-ft. spans; one bridge, three 43-ft. concrete girders, and other, four 33-ft. concrete girders, 673 cu. yds. wet, dry and rock struct. excavation, 105,247 lbs. reinforcing steel; Guy R. Johnston, County Engr.; H. C. McClure, County Judge.

Tex., Pecos—Reeves County will receive bids Oct. 1 for 193-ft. steel truss and concrete girder bridge, between Reeves and Ward Counties, on State Highway No. 1; S. S. Posey, Engr.; J. Ross, Judge; both Brownsville.*

Va., Norfolk—Walter H. Taylor, 3d, Director of Public Works, will receive bids Sept. 30 for design, fabrication and erection of steel lift span for Mason's Creek bridge; plans, etc., on file.

W. Va., Clarksburg—Harrison County Court plans constructing bridge across Lambert's Run in Eagle Dist.

Va., Fort Myer Heights—State Highway Comm., Richmond, will receive bids Oct. 2 for reinforced concrete bridge over Pimmetts Run, 5 mi. from Washington, three 30-ft. and two 25-ft. beam spans, 52,215 lbs. reinforcing steel; plans, etc., on file and from Dist. Engr. at Culpeper; C. S. Mullen, Ch. Engr.; H. G. Shirley, Chmn.

Canning and Packing Plants

Ala., Monroeville—Peterman Construction & Supply Co. of Chicago, Ill., has contract for construction of \$15,000 canning plant, 40x92-ft.

Clayworking Plants

Fla., Kissimmee—Kissimmee Brick and Tile Co., capital \$10,000, incorporated with W. W. Edwards, Pres.; Ellis F. Davis, Sec.

Coal Mines and Coke Ovens

Ala., Birmingham—Pratt Fuel Co., Walter Moore, Pres., 715 American Trust Bldg., reported to have acquired coal mines, lands and leases of the Nelson Coal Corp., of which Frank Nelson, Jr., is president; taking over approximately 1200 acres in Walker County; included in the purchase is the Red Star mines and equipment; will develop.

Ala., Dora—Piedmont Coal Co., capital \$18,000, incorporated by Viola Powell of Dora, Ala.; C. S. Ramsey and J. H. Bankhead, both Jasper, Ala.

Ky., Hazard—East Kentucky Coal Co. increased capital from \$50,000 to \$100,000.

Ky., Madisonville—Blue Valley Coal Corp., capital \$20,000, chartered by H. H. Coll, J. A. Johnson and F. E. Coll.

Cotton Compress and Gins

Ark., Pine Bluff—Pine Bluff Compress Co. increased capital from \$400,000 to \$600,000

and will acquire property of St. Louis Compress Co.*

Miss., Como—Planters Gin Co. increased capital to \$10,500.

N. C., Maiden—Maiden Gin Co. increased capital from \$40,000 to \$60,000.

S. C., Piedmont—Piedmont Gin Co., capital \$15,000, incorporated with C. G. Burris, Pres.; W. Hampton Smith, Sec.

Okla., Muskogee—Sharp Gin Co., capital \$10,000, incorporated by H. R. Sharp, 2320 Boston St.; T. F. King, Muskogee; Ott Reese, Ada, Okla.

Drainage and Irrigation

Fla., Haines City—Eugene Bryan, W. T. Brooks and associates interested in building drainage canal from Lake Eva into North Lake Hamilton and into Middle Lake Hamilton, and another canal from Lake Eva into western territory, draining marsh land and lowering Lake Eva approximately 3 ft.

Ky., Henderson—Henderson County Clerk will receive bids Oct. 4 for removing 27,052 cu. yds. dirt in Elam Flat Drainage Dist. (See Machinery Wanted—Drainage.)

La., New Orleans—Col. R. B. E. DeMont-luzin, 9018 Quince St., has begun development on Michaud tract of land located on Lakes Pontchartrain and Borgne; first unit to be reclaimed will be about 1000 acres; will construct 1 mile of levee, beginning at Twenty Mile Post, extending toward Bayou Thomas; build drainage basin and pump at intersection of L. & N. R.R. and Bayou Thomas; land will be available for residential purposes and golf course, etc.

Mo., Cape Girardeau—Little River Drainage District, John H. Himmelberger, Pres. Board of Suprvs., let following contracts involving about \$1,600,000: Basin in the Caney Creek vicinity, Scott, to G. W. Clark Construction Co. of St. Louis, Mo., at \$985,000, for cutting new ditches, revamping old ditches in projects No. 33, No. 34 and No. 38; to Jacobson & Mortenson, at \$33,000, for project No. 42; to Crumpecker & Adams of Morehouse, Mo., for project No. 45; to C. R. Cummins & Co. of Cleveland, Ohio, at \$99,000, for project No. 36; to Roy L. Igo of Indianola, Ia., at \$222,000, for project No. 35; to Burch Brothers of Madison, Wis., at \$98,000, for project No. 49; to A. V. Wills & Sons of St. Louis, Mo., at \$76,000, for project No. 48; contract No. 43, involving the cleaning out of approximately 15½ miles of old ditches, and a new ditch three miles in length, was awarded to Jacobson & Mortenson, of Nevada, Ia.; contract No. 41, also involving cleaning out 15.6 miles of ditches and the installation of three-quarters of a mile of new, was let to Crumpecker & Adams of Morehouse; also for contracts No. 46 and No. 47, involving clearing of approximately 112 acres of land; this based on a certain charge per acre; contracts No. 39 and No. 40 were let to W. J. Gleason & Sons, Atkin, Minn.; the first involves the cleaning out of 27½ miles of ditches and the latter similar work for another 30 miles of ditches.

New bids will be asked on Contract 32, involving 5,252,000 cu. yds., and Contract 37, involving 1,010,000 cu. yds., on October 6. Contract 44, on 1,260,000 cu. yds., was taken under advisement. Bids will be asked later on Contract 50. L. L. Hiding, Chief Engr., Cape Girardeau; Morgan Engineering Co., 620-34 Goodwyn Inst. Bldg., Memphis, Tenn., Engineers.

Tex., Austin—John A. Norris, Chrmn. State Board of Water Engr., investigating sites on Devil's River for establishment of reservoirs; water to be used for irrigation purposes and possibly for power.

Tex., Fort Worth—Tarrant County contemplates creating Water Conservation District,

planning irrigation reservoir system, etc.; K. Robey, Engr., 1420 Boulevard St.

Tex., Houston—Comms. of Drainage District No. 7 will receive bids Oct. 3 for clearing and grubbing right of way of main Green Bayou ditch. (See Machinery Wanted—Drainage.)

Electric Light and Power Plants

Fla., Cocoa—Details under Land Developments.

Fla., New Smyrna—Details under Land Developments.

Fla., Palatka—City, Oscar Dobbs, Pur. Agt., opens bids Sept. 30 for installation of white way; \$15,000 available.*

Fla., Sarasota—Details under Land Developments.

Fla., St. Augustine—Details under Land Developments.

Fla., Tampa—Details under Land Developments.

Fla., Winter Haven—M. D. Cold and S. B. Beebe, 314 S. Edison Ave., both Tampa, Fla., have acquired Winter Haven Electric Co.'s plant.

Ky., Ashland—Chamber of Commerce, C. E. Coon, Sec., interested in street lighting improvements.

Ky., Butler—Butler Utilities Co., capital \$10,000, incorporated by H. N. Owen, H. E. Gucker, C. D. Peoples.

La., Cheneyville—Board of Aldermen will receive bids Oct. 20 for light and water works improvements and ice system; F. P. Joseph, Const. Engr., Glenmora, La. (See Machinery Wanted—Electric Light Plant, etc.)

Md., Baltimore—Consolidated Gas, Electric Light & Power Co., Lexington Bldg., is having plans prepared for transformer station at S. E. corner of Thirty-fifth St. and Old York Rd.

Miss., Ellisville—Laurel Light and Railway Co., Laurel, Miss., granted 25-year franchise for light and power plant.

Miss., Marke—City will vote Sept. 30 on \$35,000 bonds to construct water and light plant. Address The Mayor.

Mo., Greenfield—C. A. Westerbeck, Mgr. South Missouri Power Co., will extend transmission line to Everton.

Mo., Mountain Grove—Mountain Grove Power Co., capital \$10,000, incorporated by R. D. Alexander, 1089 S. Boulevard, Springfield, Mo.; L. H. Williams and W. M. Williams, Mountain Grove.

Mo., St. Joseph—City will vote Nov. 18 on \$300,000 bonds for reconstruction of lighting plant. Address The Mayor.

North Carolina—The Thompson Power Co. has applied to Federal Power Comsn., Washington, D. C., for preliminary permit for power installation on Hiwassee River and its tributaries, in Polk County, Tenn., and Cherokee County, Tenn.; near Appalachia a dam about 90 ft. is contemplated on the Hiwassee, from which a tunnel about 5 miles long will deliver water to power house with installed capacity of 150,000 h.p., to be located near mouth of Coco Creek; another dam on Hiwassee, just below McFarland, and tunnel about 5½ miles long, delivering to power house on Penitentiary Creek, is to develop 100,000 h.p.; dam 90 ft. high in Turtle Town Creek, with wood stave and steel pipe conduit, delivering to power house at mouth of Turtle Town Creek, about 1½ miles below, will have installed capacity of 9000 h.p.; officers of the company are Henry H. Man, Pres.; Wm. H. Butler, Treas.; both at 56 Wall St., New York City; John L. Williams, Sec., Wetmore, Tenn.; general office, 56 Wall St., New York.

N. C., Asheville—Details under Land Developments.

N. C., Ellenboro—Town, O. R. Coffield, Mayor, will construct light line from Ellenboro to Mooresboro.

N. C., Pantego—Town let contract to Banks-Pistole Co., Norfolk, Va., to construct transmission line and town distribution system.

N. C., Robersonville—Town let contract to Banks-Pistole Co., Norfolk, Va., to construct 7 miles of 13,000-volt transmission line and substations.

Okla., Braman—Details under Water Works.

Okla., McAlester—Southwest Power Co., Albert Emanuel, Pres., 61 Broadway, N. Y., reported to begin construction of 66,000-volt high power transmission line from McAlester to Atoka, Coalgate, Lehigh, Wapawucka and intermediate points; cost approximately \$165,000.

Okla., Wewoka—Oklahoma Gas & Electric Co., Institute Bldg., Oklahoma City, has purchased site and will erect substation.

S. C., Alken—J. G. White Engineering Corp., 43 Exchange Place, New York City, reported to have acquired properties of Carolina Light & Power Co., main office Raleigh, N. C.

Tenn., Hohenwald—City will vote on approximately \$100,000 bonds for construction of hydro-electric plant. Address The Mayor.*

Tex., Crowley—R. W. Porter, Blackwell, Okla., has electric franchise and will erect light and ice plant. (See Machinery Wanted—Light and Ice Plant Machinery.)

Va., Portsmouth—City let contract to Westinghouse Electric & Manufacturing Co., Pittsburgh, Pa., for installation of electrical equipment to be used at Race and Douglas streets pumping station; cost \$53,000.*

W. Va., Charleston—Gauley Power Co., Arthur B. Koontz, Sec., Union Bldg., applied to Federal Power Comsn., Washington, D. C., for preliminary permit for water power development on Gauley and Meadow Rivers about 50 miles from Charleston; development includes construction of dam for power and storage on Meadow River near Riverside and on the Gauley River near Carmelfix, etc.; estimated cost \$10,000,000; Arthur B. Koontz wires: Joseph Holt Gaines, Pres. of Gauley Power Co.; Arthur B. Koontz, Sec.-Treas., both Charleston; S. L. Tone, 5305 Westminster St., Pittsburgh, Pa., Ch. Engr.; two operations on Gauley River and three on Meadow River contemplated; tentative plans on file in engineers' office of Federal Power Comsn., Washington, D. C.

W. Va., Buckhannon—Monongahela West Penn Public Service Co., George M. Alexander, Pres., Fairmont, W. Va., subsidiary of West Penn Co., Pittsburgh, Pa., reported to have acquired Buckhannon Light & Water Co.'s plant.

Fertilizer Factories

S. C., Spartanburg—International Agricultural Co., Red Rock Bldg., Atlanta, Ga., reported to reconstruct fertilizer plant at Arkwright; cost \$100,000.

Flour, Feed and Meal Mills

Mo., Maysville—Maysville Farmers Elevator Co., capital \$10,000, incorporated by Byron S. Hunter, 2600 Renick St.; Neva G. Hunter, St. Joseph, Mo.; C. D. Gilbert, Maysville.

Tex., Fort Worth—Wonder Feed Co., capital \$10,000, incorporated by Henry L. Pope, James O'Reilly, Clyde C. Whitely.

Foundry and Machine Plants

Fla., Melbourne—Midway Iron & Sheet Metal Works, capital \$50,000, incorporated by J. E. Blackwell and J. C. Long; manufacture fire escapes, etc.

Fla., Miami—Machine Shop, etc.—City voted \$15,000 bonds for municipal machine shop and storage room. Address The Mayor.

La., New Orleans—Alexandria Foundry Machine & Boiler Works, Inc., capital \$150,000, chartered with John H. Murphy, Pres., 1322 Felicite St.; John H. Murphy, Jr., Sec.-Treas.

La., New Orleans—John H. Murphy Iron Works, capital \$400,000, incorporated with John H. Murphy, Pres., 1322 Felicite St.; G. B. Genin, Sec., 1916 Audubon St.

Mo., St. Louis—American Stove Co., Daggett Ave., let contract to Grone Construction Co., 206 Benoist St., to erect 2-story research laboratory at 4931 Daggett St., 51x81 ft., composition roof; E. C. Janssen, Archt., Chemical Bldg.

Gas and Oil Enterprises

Ala., Monroeville—Gulf Refining Co. of Louisiana will construct warehouse and bulk station.

Fla., Tampa—Details under Land Developments.

Fla., Winter Haven—Florida Oil and Grease Co., capital \$60,000, incorporated with J. E. Fortner, Lakeland, Pres.; Crosby Gray, Sec.; has plant under construction.

Ky., Bowling Green—Export Petroleum Co., capital \$100,000, incorporated by Edward R. List, Wm. Hundley and others.

Ky., Covington—Fox Drilling Co., capital \$50,000, incorporated by Glen Fox, Henry S. Chapman, Harry B. Mackoy.

Mo., Kansas City—Atlas Petroleum Co., capital \$100,000, incorporated by Edwin F. Borgolte, 3521 Central Ave.; J. C. Maloney, M. Taxman, Georgian Court.

Mo., St. Louis—Laclede Gas Light Co., 1017 Olive St., applied to Public Service Commsn., Jefferson City, Mo., for permission to sell 33,000 shares of common stock, proceeds to be expended in increasing capacity of plants from 36,000,000 to 62,000,000 cu. ft. daily; plans include expenditure of \$1,775,700 this year and \$1,595,000 in 1925; included in program are installing \$1,137,000 equipment at coke station, 626 Catalau St., for the manufacture of producer gas, building a new 30-in. main from plant to distribution system, installing coke screen, water softening plant and additional apparatus for treating and pumping gas; install Station A, 148 Rutger St., a 2,000,000 cu. ft. gas holder, 2 new boilers, pumps, screening and storage machinery, etc., to cost \$636,000; at Station B, at Main and Howard Sts., a new relief 300,000 cu. ft. gas holder, machine for recovery of water gas tar, etc., costing \$48,000; an appropriation of \$1,185,500 for distribution system is outlined for next two years, including 43 miles of 4, 6 and 12 in. pipe for mains and 66 miles of pipe for service connections; construction of \$300,000 building at 4000 Forest Park Blvd., meter testing and storage rooms.

N. C., Gastonia—Southern Gas and Power Corp. will improve and construct additions to plant of Gastonia and Suburban Gas Co.

N. C., Winston-Salem—Jones Railroad Oil Co., S. Main St., capital \$125,000, incorporated by R. R. Jones, J. H. Wicker and others.

Okl., Oklahoma City—Red Seal Refining Co., incorporated by R. M. Shaw, St. Louis, Mo.; F. A. Gabus and Dudley Shaw, 425 W. 6th St., Oklahoma City.

Okl., Ponca City—Marland Oil Co. reported to construct forty 80,000 bbl. tanks, increasing tank capacity from 10,000,000 bbls to 13,200,000 bbls. Wire from Kay County Gas Co., subsidiary of Marland Oil Co., states: "Chicago Bridge and Iron Works, 3105 Transportation Bldg., Chicago, constructing for us 40 storage tanks for crude oil of 80,000 bbl. capacity."

Okl., Tulsa—Fort Cobb Oil Co., capital \$24,000, incorporated by C. E. Ranney, Apartment 4, 263 W. 12th St.; K. S. Flint, L. M. Cole.

Tex., Amarillo—Merger is reported of five major oil and gas companies, involving \$10,000,000 worth of holdings in the Panhandle field; included in the merger are Prairie Oil and Gas Co., and Amarillo Oil Co., Producers and Refiners' Corp., and Amarillo Gas Co.; Panhandle Pipe Line Co.; Nelson K. Moody, Pres., Independence, Kan. T. J. Flannelly, general counsel of The Prairie Oil and Gas Company, Independence, Kan., writes: "By reason of The Prairie Oil and Gas having an indirect interest in the large gas acreage in the neighborhood of Amarillo, it became remotely and indirectly interested in the Amarillo Gas Co. and the Panhandle Pipe Line Co., but these companies are in no sense subsidiaries of The Prairie Oil and Gas Co. and have not consolidated with each other, but continue functioning as heretofore in their respective spheres of activity."

Tex., Big Lake—Transcontinental Oil Co., T. H. Cowell, V. P., reported to construct pipe line from Big Lake field to connection at Ranger with trunk line leading to the Gulf Coast; cost about \$2,000,000; also plans enlarging refinery at Hodges Station, Tex., to daily capacity of 20,000 bbls.

Tex., Houston—Houston Gas and Fuel Co., 607 San Jacinto St., will erect \$95,000 steel gas holder on West Clay St.

Tex., San Antonio—Grayburg Oil Co., Maverick Bldg., let contract for construction of pipe line from Luling to San Antonio, distance of 30 miles, estimated cost \$250,000, to S. B. Handman, Luling, Tex.

Va., Portsmouth—Portsmouth Gas Co., 512 High St., let contract to J. H. Hoffer for brick addition to gas plant in North Greene St.

W. Va., Grafton—Barbour County Natural Gas Co. formed by merger of West Virginia Drilling & Development Co. and Barbour County Natural Gas & Oil Co., capital \$250,000; main office of company will be Washington, D. C.

Ice and Cold-Storage Plants

Ala., Monroeville—R. B. Williams will erect brick refrigerating plant and market; cost \$10,000; has site.

Ark., Little Rock—Twin City Ice Co. organized by S. R. Morgan and Fred L. Sherman, 212½ State St., plans erecting 200-ton ice manufacturing plant in Little Rock and 40 to 80-ton plant in North Little Rock; total investment about \$300,000.

Fla., Sebring—Peoples Ice Manufacturing Co., T. W. Lawton, Pres., has purchased and will install ice making equipment, increasing present capacity of 6 tons of ice to 18 tons; will also install 25 h.p. Fairbanks-Morse crude oil burning engine.

Fla., St. Petersburg—Citizens Ice & Cold Storage Co., W. H. Hibbs, Sec., 100 First Ave., let contract to Breeding & McBeth, Lewis Bldg., to erect \$45,000 ice plant addition, 2-story, 100x200-ft., steel, concrete and brick; install 100-ton ice making system complete, one 400 h.p. Diesel engine; equipment furnished by Arctic Ice Machine Co., Canton, Ohio; McIntosh & Seymour Corp., Auburn, N. Y., and General Electric Co., Schenectady, N. Y.

La., Cheneyville—Board of Aldermen will receive bids Oct. 20 for complete 5-ton ice-making plant, concrete foundation, building, etc.; F. P. Joseph, Const. Engr., Glenmora. (See Machinery Wanted—Electric Light Plant, etc.)

La., Monroe—Consumers Ice & Storage Co., capital \$50,000, incorporated with W. T.

Marfield, Pres.; C. W. Easterling, Sec., Ouachita Bank Bldg.

N. C., Whitesville—Gov. Cameron Morrison, Raleigh, reported interested in establishment of cold storage plant.

Tex., Crowley—Details under Electric Light and Power Plants.

Iron and Steel Plants

Md., Baltimore—Carbon Steel Corp. has taken over plant and equipment of the Hess Steel Corp., at Loney Lane and Pennsylvania R. R., for the manufacture of concrete reinforcing bars and soft steel bars of all descriptions; the company will first open the 9-in. and 14-in. mill and later put the 20-in. mill in operation; John Robinson, Pres.-Gen. Mgr., and George Frankovich, Treas.

Land Development

Ala., Birmingham—Redmont Land Co. organized with Robert Jemison, Jr., Pres.; A. B. Tanner, 3508 Cliff Road, Sec., has acquired 150 acres and will develop 25 acres for subdivision.

Ala., Selma—Hedlin Berry is developing 30 acres at Edgewood Place for residential sites.

Ala., Tuscaloosa—Tuscaloosa Country Club, Frank G. Blair, Pres., has 100 acres and will develop for golf course; install sewer system, 2000 ft. of water mains, build concrete swimming pool, etc.; W. H. Kessler, 1437 S. 18th St., Birmingham, Archt. for the pool; W. H. Nicol, Constr. Engr.; W. H. Kessler, Landscape Archt., Birmingham.*

Fla., Cocoa—Cocoa Land & Development Co., lately noted incorporated with \$25,000 capital, D. P. Davis, Pres., is developing 87 acres of land for residential site; will install water, sewers, roads, etc.; estimated cost \$110,000; Carl Fay, Contr., Cocoa.*

Fla., Daytona Beach—E. L. Hawkins and George R. Bennett reported to have purchased 50,000-acre tract located about nine miles both sides of Daytona and DeLand Highways; will develop. Further advices state that land will be developed and sold in 10-acre tracts; definite reclamation plan will be made as soon as topographical survey now under way is completed.

Fla., DeLand—E. T. Barnes of National Flower Gardens, Spencer, Ind.; D. S. Anderson, Nashville, Tenn.; V. W. Gould interested in organizing company to plant acreage in bulbs.

Fla., Hialeah—Hialeah Amusement Corporation incorporated by O. F. Whittle of Knoxville, Tenn., and T. C. Jacks of 499 E. Main St., Lexington, Ky., will construct \$300,000 amusement park; have 3½-acre site on Palm Ave.; will install coasting and other amusement devices; equipment to be furnished by Miller & Baker, Chicago, Ill.

Fla., Inverness—Mrs. Helen B. Fletcher of St. Petersburg, Fla., acquired 560 acres and will develop for farm homes and building lots; Harris & Rice, St. Petersburg, in charge of development.

Fla., Jacksonville—Loyal Order of Moose reported to establish colony on 2000 acres of land at Orange Park.

Fla., Lake Worth—Comms. authorized issuance of \$175,000 bonds for improvements and maintenance of public parks.

Fla., Miami—Osceola—Biscayne Properties, Inc., capital \$60,000, chartered with R. J. Marshburn, Pres.; G. G. O'Berry, Sec.; has tract land; will develop for subdivision, pave streets, sidewalks, etc.

Fla., Miami—Pyramid Realty Co., 33 Real Estate Bldg., capital \$25,000, incorporated with R. L. Gillison, Pres.; C. J. Donaldson, Sec.

Fla., Miami—John A. Campbell Organiza-

1415 N. Eighth Ave.; Gilbert Hopkins, Sec. tion incorporated; John A. Campbell, Pres.,

Fla., Miami—Anderson & Monroe, Inc., capital \$25,000, chartered with D. M. Anderson, Pres., Geo. D. Monroe, Sec.

Fla., Miami—Charles Z. Allen acquired 10 acres of land at Twentieth St. and Seventh Ave. and will develop for subdivision; will install water, sewers, streets, etc.

Fla., New Smyrna—L. B. Miller, Mentor, O., reported to develop Coronado Beach for subdivision; will construct rock paved streets, sidewalks, install electric lights, sanitary sewers, etc.; build boardwalk along ocean beach; construct seawall; has let contract for clearing and grading expend about \$200,000.

Fla., St. Augustine—J. A. Laws is developing subdivision at Fullerwood Park; will install streets, sewers, water, lights, etc.; Peter Kendrick, Fullerwood Park, Engr.

Fla., St. Petersburg—Sidney H. DeWolf will develop La Salle Gardens, tract of 10 acres, for subdivision.

Fla., Sarasota—Deleplane-Price Development Co. organized with E. S. Deleplane, Jr., Pres.; D. G. Haley, Sec., Jacksonville, Fla., acquired 218 acres of land in Sarasota County and will develop for subdivision.

Fla., Sarasota—Granada Development Co. is developing subdivision; will pave streets, install water, sewer, lights, etc.

Fla., Sarasota—Frank A. Walpole acquired 15 acres of land and will develop for subdivision.

Fla., Sarasota—W. D. Worth of Sarasota, Wm. Worth and P. A. Merrian of Plant City acquired tract of 100 acres and will develop for subdivision.

Fla., Sarasota—J. W. Black acquired 351 acres on gulf and will develop for subdivision.

Fla., Sarasota—P. L. Weeks of Atlanta, Ga., and associates will develop subdivision.

Fla., Tampa—W. D. McAdoo Interests of Hendersonville, N. C., will soon begin development of North Hyde Park and Memorial Park subdivisions; G. W. Brooks, Tampa, in charge of work.

Fla., Tampa—Fred Hensley of N. W. Hensley Co., Stovall Bldg., has acquired tract of land on Hills Ave. and will develop for subdivision; construct 60-ft. streets, 6-ft. sidewalks, install water, sewer, gas, electricity and other improvements.

Fla., West Palm Beach—Southland Investment Co. incorporated with E. E. Allyne, Pres.; M. Vernon Alyne, Sec.

Fla., West Palm Beach—Pinewood Development Co. let contract for improvements at subdivision, to include rock and oiling of streets, completion of sidewalks, laying water mains, sewers, etc.

Ky., Hopkinsville—Progressive Realty Co., capital \$15,000, incorporated by F. N. McKinney, P. Mooren, F. N. McKinney.

Ky., Lexington—Board of Public Works authorized purchase of 50 acres of land for extension to Shawnee Park.

Ky., Lexington—Mason Co. incorporated by Sam Mason, Lexington; H. M. Collins, Frankfort, Ky.

Ky., Louisville—Leeds Realty Co. increased capital from \$20,000 to \$30,000.

Ky., Louisville—Castlewood Realty Co. increased capital from \$25,000 to \$65,000.

La., Amite—H. P. McClendon, Inc., capital \$10,000, chartered with H. P. McClendon, Pres.; Estelle P. McClendon, Sec.

La., Shreveport—City Comsn. Council approved purchase of 12-acre park site between Herndon and Olive St.

La., Slidell—H. T. Day interested in development of golf course.

Md., Frederick—City will develop memorial park on W. Second St.; Emory C. Crum, City Engr.

Miss., Gulfport—City Commrs. authorized purchase of 11 acres on West Beach for development of park.

Mo., Kansas City—Henderson, Myers & Co., Inc., capital \$50,000, incorporated by Wm. B. Henderson, 924 McGee St.; John D. Myers, Lathrop Bldg., and others.

Mo., Kansas City—Summer Homes Corp., capital \$10,000, incorporated by Roy E. Lynds, 1000 New York Life Bldg.; O. S. Lynds and others.

Mo., St. Louis—Normandy Acres Realty Co. incorporated by C. B. Hesse, 5155 Waterman St.; L. J. Jeffrey and others.

Mo., St. Louis—Vista Realty Co. incorporated by A. Mönselein, 1912 Wagoner Place; Wm. Arbeiter, 2921A Indiana Ave., and others.

N. C., Asheville—Montford Jills, Inc., capital \$100,000, chartered with J. W. Ferrell, 1522 Westover Ave., Walnut Hill, Petersburg, Va., Pres.; N. T. DeVebe, Sec., have acquired 65 acres of land and will develop for subdivision; will construct streets, install water, sewers, lights, etc.

N. C., Gastonia—Rankin Realty Co., H. Price Lineberger, Mgr., will develop 15 acres of land near New Hope Road and will develop for subdivision; will construct streets, etc.

S. C., Charleston—Linwood Realty Co. incorporated with Geo. T. Trescott, Pres., 104 Hugier St.; Eileen Church, Sec.-Treas.

S. C., Greenville—Young Men's Christian Assn., D. L. Norris, Pres., has 100 acres and will develop for summer camp; will build 3 miles of road, lake to cover approximately 3 acres, assembly hall, playgrounds, etc.; J. E. Sirrine & Co., Engrs., Greenville, Const. Engrs.

S. C., Spartanburg—Summit Realty Co., capital \$25,000, incorporated with W. S. Montgomery, Pine St., Pres.; Chester D. Ward, Sec.

S. C., Spartanburg—D. E. Guerrant and associates have acquired tract of land and will develop for subdivision.

Tex., Dallas—Frank G. Jester & Co., Southwestern Life Bldg., have acquired 400 acres of land along Cedar Creek and will develop for subdivision.

Tex., Dallas—Riverview Realty Co., capital \$24,000, incorporated by Theo. Marcus and Herbert Marcus, 2620 S. Boulevard, Dallas, and B. L. Anderson of Fort Worth; will develop 101 acres of land for residential district.

Tex., Houston—San Jacinto Trust Co. is expending \$260,000 in improvements to Southampton subdivision; city council voted to expend \$15,000 for construction of storm sewer line on Rice Blvd. from Cherokee Boulevard to Harris gulley.

Tex., Nacogdoches—City plans extensive improvements to Blount Park; will construct rest room, fountains, etc. Address The Mayor.

Tex., Palacios—Palacios Fig Orchard Co., capital \$10,000, incorporated by P. F. Campbell, W. C. Crawford and others.

Tex., Woodlawn—Details under Miscellaneous Construction.

W. Va., Morgantown—Associated Industries Co., capital \$50,000, incorporated by J. W. Wiles, Ben Greene, 320 High St.; C. O. Jenkins.

Lumber Enterprises

Ala., Clayton—Thompson & Stewart have under construction 100,000 ft. capacity steam dry kiln and contemplate building planing mill and sheds.

Ala., Jasper—Company organized with \$20,000 capital, D. M. Hester, Mgr., of Parrish, Ala., plans establishing planing mill and lumber yard.

Ala., Selma—Central Alabama Lumber Co., capital \$30,000, incorporated by H. G. Patillo, W. R. Rouse, J. A. Fuller.

Ala., Selma—Charles R. Reid Lumber Co. have taken over the planing mills, dry kilns and all equipment of the wholesale department of the Central Alabama Lumber Co., will operate.

Ark., Tillar—Lovette & Carnahan will rebuild lumber mill burned at loss of \$15,000.

Ky., Louisville—W. P. Brown and Sons Lumber Co., 4th and K Sts., increased capital from \$2,000,000 to \$10,000,000.

Ky., Whitesburg—S. G. Fairchild will install mill and develop timber tract on Sandlick Creek.

La., New Orleans—Central Lumber Co., capital \$50,000, incorporated with W. L. Wilson, Pres., 3025 Esplanade St.; L. G. Riecke, Sec.-Treas.

Miss., Philadelphia—Henderson Molpus Lumber Co. will rebuild plant burned at loss of \$150,000.

N. C., Asheville—Griffith Lumber Co., Inc., Dehumor Bldg., increased capital from \$50,000 to \$100,000.

Okla., Oklahoma City—Red River Lumber Tie Co., capital \$25,000, incorporated by Barron C. Housel, 119 W. 19th St.; T. L. Sublett, Tom W. Garrett.

Tex., Austin—Calcasieu Lumber Co., 311 W. 2nd St., Austin, contemplates erecting modern warehouse on Second and Lavaca Sts.

Tex., Houston—Lyons Avenue Sawmill, capital \$10,000, incorporated by W. R. Reid, E. P. Blondeau, 101 Roy St., and others.

Tex., Houston—Lyons Avenue Saw Mill, capital \$10,000, incorporated by W. R. Reid, E. P. Blondeau, 101 Roy St., and others.

Mining

Ala., Birmingham—The Manganese Products Corp., capital \$1,000,000, chartered by Ed Doty, Birmingham; Albert B. Wolf, Wilmington, Del.; Paul Miller, Chattanooga, Tenn.

Ark., DeQueen—Williams-Lafin Sand & Gravel Co. organized with Chester S. Williams, Pres.; Don C. Lafin, Sec.-Treas., all of Texarkana, Ark. has \$40,000 sand and gravel plant initial capacity of about 25 carloads; has under construction, 4,000,000 gal. reservoir for water supply.

Ky., Madisonville—Pontiac Mining Corp. chartered by B. C. Mitchell, Robert T. Kimbrough and others.

Ky., Whitesburg—D. W. Salyer, K. E. Davis and associates will develop manganese properties in Bland County, Va.; initial daily output two cars.

Okla., Cardin—Golden Rod Mining & Smelting Co. reported to have acquired the Foch and Alexander leases, each 40 acres, will remodel and operate.

Va., Broscobel—H. J. Harris Quarries, W. A. Davis, Sec., 815 E. Franklin St., Richmond, Va., has 97-acre tract.*

Va., Staunton—Waynesboro Ocher Co., Inc., capital \$20,000, chartered with Harry Guthridge, Pres.; Ethel D. Guthridge, Sec., both Washington, D. C.

Miscellaneous Construction

Ala., Tuscaloosa—Swimming Pool—Details under Land Developments.

Fla., New Smyrna—Seawall—Details under Land Developments.

Fla., Seabreeze—Incinerator—City plans purchasing 8 acres land west of Holly Hill for garbage incinerator plant. Address The Mayor.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Fla., Tampa—Incinerator—City Comsn., B. A. Redding, Pur. Agt. will receive bids Oct. 14 to purchase and construct 50 ton capacity incinerator. (See Machinery Wanted—Incinerator.)

Fla., Tampa—Seawall—Hillsborough County Comms. let contract to McGucken, McGucken & Edwards, 204 Nebraska Ave., Tampa, at \$356,974.90 for construction of 2½ mi. of the Bayshore seawall from city limits to Maryland Ave., together with other improvements; work calls for reinforced concrete seawall of solid construction, hand rail open type, laying of 10-ft. concrete sidewalk adjacent to wall together with concrete curbing and hydraulic fill for full length of wall and additional paved highway will be laid on the bay front.*

Fla., West Palm Beach—Inlet—Lake Worth Inlet District Comms. of Palm Beach County voted \$410,000 bonds for construction of canals, waterways and inlet.*

La., Lake Charles—Wharf—City will receive bids Sept. 27 for construction of permanent municipal wharf on the Lake front, 100x235-ft., creosoted timber; channel 8 ft. deep to be dug on three sides of pier, making total frontage of 570 ft.; approximately 4700 cu. yds. of earth to be removed. Address The Mayor.*

La., New Orleans—Wharves—Dock Board has approved the offer of the United Fruit Co., 321 St. Charles St., to recondition wharves between Thalia and Notre Dame Sts., wharves to be used by the Fruit Company, will equip.

La., New Orleans—Ferry House—City Purchasing Agent will receive bids Oct. 7 for construction of frame ferry house at foot of Louisiana Ave., 1-story, 60x100-ft., composition roof, cost \$15,000.

Md., Baltimore—Heating System—Board of Awards approved specifications for heating line from City Hall to War Memorial Building; line to be built under supervision of V. Bernard Siems, Water Engr., cost approximately \$25,000.

Mo., St. Louis—Retaining Wall—Board of Public Service received low bid for retaining walls and landings at the Grand Basin in Forest Park from Lay Brothers Contracting Co. at \$25,815.

Okla., Fort Sill—Heating Plants, etc.—War Dept., Constructing Quartermaster, will receive bids Oct. 18 to construct three boiler houses and heating plants for buildings Nos. 113, 115 and 123. (See Machinery Wanted—Heating Plants, etc.)

S. C., Greenville—Lake—Details under Land Developments.

S. C., Spartanburg—Tunnel—Charleston & Western Carolina Ry., L. S. Jeffords, Ch. Engr., Augusta, Ga., is having survey made of route for tunnel connecting lines of the C. & W. C. Ry. and the Carolina, Clinchfield & Ohio Ry.; will soon begin construction.

Tex., Athens—Levees—Hollywood Country Club, H. D. Mitchell, Executive Mgr., has plans by Myers & Noyes, Dallas County Bank Bldg., Dallas, for construction of four levees to impound water in four lakes, estimated cost \$36,000; will soon let contract.

Tex., Austin—Incinerator—City, W. D. Yett, Mayor, will receive bids Oct. 10 to construct incinerator plant at Seventh and Sabine St.; capacity not less than 50 tons and not more than 75 tons; estimated cost between \$35,000 and \$40,000.*

Tex., Corpus Christi—Traffic Control System—City, John T. Wright, City Sec., will receive bids Sept. 26 for automatic traffic control system, equipped with bells and posts, etc.

Tex., Houston—Ship Channel—Port Comms. let contract to Atlantic, Gulf and Pacific

Dredging Co., Scanlan Bldg., Houston, for completing 30-ft. ship channel project at 37.47 cents per cu. yd.; contractors will probably let subcontract for construction of levees to contain dirt moved from channel in deepening and widening it; United Dredging Co. was low bidder on other section of work.*

Tex., Woodlawn—Swimming Pool, etc.—Woodlawn Civic Club, Mrs. C. J. Hanson, Cor. Sec., contemplates building swimming pool, park and athletic field, estimated cost \$25,000.

Miscellaneous Enterprises

Ala., Birmingham—Jefferson Dairy Co., 627 N. 28th St., increased capital from \$50,000 to \$100,000.

Ala., Fort Payne—Fort Payne Water Co., capital \$45,000, incorporated by W. B. Davis, W. Y. Shugart, Charles M. T. Sawyer.

Ala., Gadsden—Woodruff Undertaking Co. Inc., capital \$20,000, chartered by A. W. Woodruff, W. E. Nichols and others.

Ala., Montgomery—Printing—The Social Register, Inc., chartered by J. D. Battle, H. C. Hatcher and B. J. Jones.

Fla., Jacksonville—Armour Fertilizer Works, United Stockyards, Chicago, Ill., have retained Andrew M. Fairlie, Conslt. and Chemical Engr., P. O. Box 358, Atlanta, Ga., as consulting engineer for erection of an 8-chamber sulphuric acid plant to replace one recently destroyed by fire; chambers will be of English design, known as Mills-Packard water-cooled acid chambers.

Fla., Lakeland—Hattmann Construction Co., capital \$10,000, incorporated with Louis H. Hattmann, pres.; T. N. Griggs, Sec.-Treas.

Fla., Miami—Fire Fighting Equipment—City voted \$5000 bonds for additional fire fighting equipment. Address The Mayor.

Fla., West Palm Beach—The Stonemakers, Inc., organized with A. S. Anderson, Sec. will erect \$8000 frame building, 30x80-ft., stone floors, asbestos roof, install \$47,000 equipment; will manufacture new bond in place of cement and for all forms of building material such as brick, building block, tile, stucco, etc.; desirous of corresponding with construction engineers familiar with the layout of plants for the handling of sand in combination with cement and installation of machinery of the combination of various aggregates into building material through trams, conveyors, screens, etc.*

Ga., Atlanta—Early County Packers Assn., incorporated by John Underwood, J. W. Roberts, 487 N. Boulevard; W. C. Houston.

Ga., Columbus—Georgia Paving & Construction Co., capital \$50,000, incorporated by W. M. Camp, 1722 Hamilton Ave., Columbus; Virginia C. Barnsback, Chicago, Ill.

Ky., Bowling Green—McKenzie Rim Lock Co., capital \$10,000, incorporated by Robert F. McKenzie, F. C. Hollingsworth and C. V. Claypool.

Ky., Louisville—R. Mansfield & Co., 621 E. Market St., Carl T. Wedekind, Pres., plans erecting \$150,000 addition on Brent St.; manufacture store fixtures and display cases.

Ky., Louisville—L. P. Bornwasser, 921 Geiger St. are receiving bids for construction of \$200,000 packing plant adjoining present building, 2-story and basement, 150 x 250 ft., increasing facilities fifty per cent.; Herschlen & McLaren, Archts., Chicago, Ill.

Ky., Louisville—Banner Transfer Line & Storage Co., 209 S. Preston St., capital \$10,000, incorporated by E. A. King, Harrold E. King and L. G. Augustus.

Ky., Louisville—Advertising—Bryan-Koeltz and Marshall, capital \$10,000, incorporated by A. L. Bryan, 1826 Hampden Court; Henry W. Koeltz, J. L. Marshall.

Ky., Louisville—Haskane Soap Co. incorporated by R. J. Cain, H. W. Grass, G. H. Board, 122 E. Jacob St.

Ky., Louisville—Matthews Drug Co., 500 W. Chest St., increased capital from \$10,000 to \$20,000.

Ky., Pikesville—Amic, Haynes & Walker Engineering Co., capital \$10,000, incorporated by Frank L. Haynes, W. Kemp Walker, Stoney Amick.

Ky., Whitesburg—Whitesburg Water Co., capital \$25,000, incorporated by J. S. Fairchild, Lewis E. Harvis and others.

La., Baton Rouge—Baton Rouge Creamery Co. incorporated with W. C. Young, Pres., Wisteria St.; W. S. Slaughter, Jr., Sec.

La., New Orleans—Schmidt-Osborne Storage & Transfer Co., Inc., chartered with W. D. Osborne, Pres.; Edwin Schultz, Sec.-Treas.

La., New Orleans—Geo. J. Glover Construction Co., Inc., capital \$250,000, chartered with Geo. J. Glover, Pres.; Jas. M. Dillon, Sec.-Treas.

La., New Orleans—Trianon Development Co., incorporated with A. G. Darden, Pres.; 2201 Wirth Place; Geo. A. Schneidau, Sec.-Treas.

La., Shreveport—Electrified Water Co., Inc., capital \$50,000, chartered with Paul English, Pres.; Fred E. Russ, Sec.-Treas., 336 Egan St.

La., Shreveport—O. D. West Manufacturing Co. will establish plant for the manufacture of work clothes, install 100 machines and will probably double that number later.

La., Shreveport—White Cleaners & Dyers, 1410 Texas Ave., will erect \$35,000 laundry building at Pierre and Gary St., 50x120-ft., brick and concrete construction.

Md., Baltimore—Goodwill Industries of Baltimore, 207 S. Broadway, let contract to Consolidated Engineering Co., Calvert Bldg., to erect \$100,000 building at 1713-1719 E. Pratt St., 5-story, concrete and steel construction; Charles M. Anderson, Archt., 324 N. Charles St.*

Md., Baltimore—Board of Estimates have authorized construction of modern repair shop for the Fire Department at Key Highway and Webster St.; has \$65,000 appropriated.

Md., Baltimore—Ottenthal Bros., Inc., 415 N. Howard St., manufacturers of refrigerators, etc., have acquired site on Hillen, Front, Bath and Fallsway.

Md., Baltimore—The Hendler Creamery Co., 1100 E. Baltimore St., will erect 1-story brick addition to plant, 24x132 ft., estimated cost \$12,000.

Md., Baltimore—The Seaboard Feldspar Co., Charles Ingram, Pres., organized to take over plant of the Product Operating Co., adjoining Union Stock Yards, will enlarge, install machinery, will operate grinding mill for commercial feldspar production.

Mo., Joplin—Automatic Printing Co., 618 Joplin St., incorporated by E. Dalton Godfrey, J. L. Waite, Jr., W. C. Eyster.

Mo., Kansas City—Medicines—Imperial Laboratories, Inc., incorporated by C. H. Smith, E. C. Smith, 4215 Chestnut St.; E. P. Schoen, 3440 Woodland St.

Mo., Kansas City—Crestline Products and Service Co. incorporated by W. H. Shackelford, 3800 Campbell St.; R. O. Larsen, Wm. C. Lucas.

Mo., Kansas City—Taylor Laundry Co. capital \$40,000, incorporated by Percy Taylor, R. H. Hatcher, and others.

Mo., Kansas City—Building Materials—The Schafer Corp., capital \$30,000, chartered by V. H. Schafer, E. K. Carter, A. R. Waters, 416 W. 62nd St. Terrace.

Mo., Kansas City—Tru-Marcel Manufacturing Co., 1705 Washington St., incorporated by J. G. Brinkman, C. E. Hornbek, C. G. Keeton; manufacture curling irons.

Mo., St. Louis—Weile Publishing Co., 6th and Washington Sts., increased capital from \$8000 to \$10,000.

Mo., St. Louis—Pawnee Heel Covering Co., capital \$10,000, incorporated by J. H. McHenry, L. N. Secord, 10 N. Kingshighway; M. Macbeth.

Mo., St. Louis—Ben Johnston Construction Co., capital \$60,000, incorporated by B. Johnson, E. C. Seeley, F. B. Schmidt, 3904 Marcus St.

Mo., St. Louis—Presstite Co., incorporated by W. C. Ferguson, T. P. Bates, 5501 Cabanne Ave., G. W. Fowler; construct machines, etc.

Mo., St. Louis—Valley Bag Co., 110 S. Main St., increased capital from \$25,000 to \$50,000.

Mo., St. Louis—Novelty Products Corp., incorporated by F. A. Sellinger, 4403 N. 20th St.; L. R. Klinger, L. Featheringill.

Mo., St. Louis—Advertising—The Bringhurst Corporation, 5 N. Main St., capital \$10,000, incorporated by W. S. Bringhurst, 209 Wesley Ave., Ferguson, Mo.; N. A. Pilcher 5904 Delmar St., St. Louis.

Mo., St. Louis—Franklin Radio Corp., chartered by C. H. Dolfuss, Jr., Rhea Dolfuss, 5306 Neosho St. and others.

Mo., St. Louis—Electrical Supplies—Scanlon Supply Co., capital \$30,000, incorporated by Lee Scanlon, St. Regis Hotel; Burke Scanlon and others.

Mo., St. Louis—Oliver Oil Burner Corp., capital \$100,000, incorporated by W. H. Schaefer, 1618 Lulu St.; E. A. Ramelow, 4465 Clarence St., and others.

N. C., Charlotte—Carolina Ornamental Works, incorporated by David Draddy, 309½ E. Boulevard; F. P. Hammond and others.

N. C., Charlotte—Precision Corporation changed name from Precision Adding Machine Co.; increased capital to \$125,000.

N. C., Edenton—Coastal Highway Ferry Co., capital \$50,000, incorporated by W. A. Everett, H. M. S. Cason and others.

N. C., Greensboro—City, P. C. Painter, Mgr., will receive bids Oct. 7 for construction of abattoir and for equipment for same. (See Machinery Wanted—Abattoir and Equipment.)

N. C., Greensboro—Motion Picture Arts Co., capital \$10,000, incorporated by W. T. M. Van Plancke, W. M. Gray and others.

N. C., Hendersonville—Brown Hotel Co., capital \$300,000, incorporated by M. A. Brown, C. E. Brooks, H. H. Eubanks.

N. C., Wilson—Service Laundry, Inc., capital \$125,000, incorporated by Thos. J. Farrar, Tarboro, N. C., and others.

N. C., Wilmington—W. A. Edwards, owner of Edward Fisheries at Reedville, Va., has acquired Taylor Fisheries plant on Cape Fear River and will remodel.

Okla., Tulsa—The Gerhig Co., capital \$200,000, incorporated by L. D. Higgins, 1404 E. 19th St., Tulsa; James W. Gerard and Laura Fay, both New York City.

Tenn., Bristol—Bristol Bakery & Confectionery Co., increased capital from \$25,000 to \$40,000.

Tenn., Chattanooga—Huffaker-Colburn Co., incorporated by H. D. Huffaker, Chas. S. Colburn, H. D. Huffaker, Jr., 500 Pound Bldg.

Tenn., Dover—Dover Iron Co., capital \$40,000, incorporated by John C. Ralls, H. N. Leach and H. M. Caldwell.

Tenn., Fountain City—F. H. Atkins Co., incorporated by F. H. Atkins, J. H. Fowler, J. W. Atkins.

Tenn., Knoxville—East Tennessee Packing Co., 19 W. Market Square, has begun construction of \$15,000 refrigeration plant in South Knoxville; 4 stories, reinforced concrete and brick; J. D. Madden, Gen. Mgr.; Roehl & Gervin, Contrs.

Tenn., Memphis—Henry S. Blumenthal Inc., 1898 York St. increased capital from \$25,000 to \$50,000.

Tenn., Memphis—Family Service Laundry, capital \$50,000, incorporated by Warren Newsum, John W. Farley, 1624 Vinton St.; Geo. W. Mitchell.

Tenn., Memphis—Stryker Kot-N-Wood Products Co., 1006 Oakland St. increased capital from \$300,000 to \$750,000.

Tenn., Memphis—S. Gordon Brent Co., capital \$50,000, incorporated by S. Gordon Brent, T. K. Riddick, R. E. Manogue, Bank of Commerce & Trust Bldg.

Tenn., Memphis—Grade Crossing Guard Corp., capital \$100,000, chartered by Glenn W. Goodman, A. Fabra, 1320 S. Driver St.; N. C. McGinnis.

Tex., Bastrop—R. A. Franklin, owner of Holland Progress, has acquired Bastrop Advertiser; will operate.

Tex., Cisco—Cisco Printing & Publishing Co. increased capital from \$25,000 to \$50,000.

Tex., Corpus Christi—A. S. Johnson representing Prawn Packing Co., Montreal, Canada, has site on municipal pier and will erect shrimp canning plant.

Tex., Dallas—West Texas Mfg. Co., 2823 Taylor St. increased capital from \$20,000 to \$50,000.

Tex., Dallas—Texas Cone Manufacturing Co., capital \$10,000, incorporated by J. A. Conger, 1931½ Main St.; S. F. Tubbs, J. A. Wallace.

Tex., Fort Worth—Cascade Laundry, 605 W. Railroad St., Count B. Capps, will erect building on W. Seventh St.; 120x145 ft., steel and hollow tile faced with stucco; cost \$150,000.

Tex., San Antonio—Automatic Refrigeration Co. incorporated by E. J. Herman, 638 W. Summitt Ave.; Guy C. Gum and others.

Tex., Sugarland—Imperial Sugar Co., lately noted incorporated with \$5,000,000 capital, incorporated by W. T. Eldridge, Jr., of Sugarland, and others; advices from W. T. Eldridge, Jr., V-P. Sugarland Industries, states that "the purpose of the incorporation of the Imperial Sugar Co. was to bring in additional capital with which to build a new char-house in order that we may produce soft sugars, as well as some additional package goods; also to take care of our refinery syrups and at the same time increase our production of refined sugars."

Tex., Texas City—Alexander Smith of New York, Pres. of Peabody, Houghteling & Co., 366 Madison Ave., New York, reported interested in erection of paper mill.

Va., Norfolk—E. E. Burhans Optical Co., Inc., New Monroe Bldg., capital \$25,000, incorporated with Edgar E. Burhans Pres.; R. Clarence Dozier, Sec., 102 Plume St.

Va., McDowell—McDowell Cheese Factory, Inc., J. S. Ransal, Sec. has plant with daily capacity 200 lbs. cheese, will install complete cheese making equipment.*

Va., Richmond—Dimanon Appliance Co., capital \$25,000, incorporated with H. B. Rice, Pres., Real Estate Exchange Bldg.; O. G. Rice, Sec.

Va., Roanoke—Linde Air Products Co., main office Carbide and Carbon Bldg., 30 East 42nd St., New York, reported to have secured site, 150x225 ft., corner of Norfolk Ave. and Fourteenth St., S. E., for erection of oxygen plant.

Va., Salem—Montgomery News, Inc., chartered with M. J. Anderson, Pres.; B. E. Frier, Sec.

Va., Rosslyn—Standard Laundry Service, capital \$25,000, incorporated with Jacob Rubin, Pres.; Max C. Rubin, Sec., 1405 Crittenden St., N. W.; all of Washington, D. C.

W. Va., Huntington—Mine and Rail Supplies—Banks Supply Co., Thomas F. Bailey, Pres., has acquired majority of stock in Miller Supply Co., 742 3rd Ave.; companies will be merged and will increase capital to \$1,400,000.

W. Va., Huntington—Wm. L. Branch, Inc., capital \$10,000, incorporated by William L. Branch, J. H. Barnett, G. L. Rolph, Davis Apartment.

W. Va., Romney—John L. Lehman of Hancock, Md. has acquired The Herald, will operate under name of Hampshire Herald.

W. Va., Shepherdstown—Fire Fighting Equipment—Fire Dept. will expend \$5000 for fire fighting equipment, including truck chassis, motor driven water pump, chemical tanks, hand extinguishers, etc.

Motor Cars, Garages, Tires, Etc.

Ark., Jonesboro—Standard Oil Co. of Louisiana, has acquired 90x100-ft. site corner Matthews Ave. and Main St.; will erect filling station; J. T. Rhodes, Dist. Mgr.

D. C., Washington—Justice Motor Co., capital \$200,000, incorporated by Frank N. Justice, Leo McDonald, Wm. J. Golden, all of 1515 Fourteenth St., N. W.

Fla., Bradentown—Peninsular Motors Corp., Marion and Jackson Sts., S. O. Metchik, V. P., Tampa, Fla., will establish branch service station on Watrous St.

Fla., Lakeland—Peninsular Motors Corp., Marion and Jackson Sts., S. O. Metchik, V. P., Tampa, Fla., will establish branch service station at Lemon and New York Sts.

Fla., Miami—Filling Station—J. A. Guyton, 1266 N. W. 7th St., has acquired site to erect filling station.

Fla., Miami—Filling Station—J. B. Harris acquired site corner Dixie and Ingraham Highways, erect filling station.

Fla., Miami—Miami Tire Co., 13 N. E. 1st St., has acquired 100x150-ft. site on N. E. Second St., later will erect 3-story building.

Fla., St. Petersburg—Peninsular Motors Corp., Marion & Jackson Sts., S. O. Metchik, V. P., Tampa, Fla., has leased building on Danum St., will remodel for service station; will also establish branches at Lakeland and Bradentown, total expenditure about \$50,000.

Ky., Louisville—Accessory Dealers' Syndicate, capital \$1,000,000, incorporated by Emmett M. Sims, Wm. A. Haner, Wm. H. Smith.

Ky., Louisville—Kentucky Garage, capital \$150,000, incorporated by Fred J. Dolle, 2027 Ballinger St.; J. C. Kirchdorfer, Thomas F. Burck.

La., Baton Rouge—Dixie Service Station, Inc., chartered with Willie E. Morgan, Pres., Pine Grove, La.; C. L. Newton, Sec.-Treas., 1019 St. Joseph St., Baton Rouge.

Md., Baltimore—Garage—Henry T. Hadden, 3607 E. Baltimore St., will erect 1-story brick garage corner Baltimore and Fifth St., 146x122-ft., cost \$9000; construction by owner.

Md., Frederick—Garage—John H. Grove & Sons Co., W. Patrick St., have acquired adjoining property, will erect garage and sales room.

Mo., Joplin—Interstate Motor Car Co., capital \$20,000, incorporated by H. B. McDaniel, S. E. Trimble, H. D. Wetzel.

Mo., Kansas City—Standard Oil Co., 5301 E. Ninth St., will erect filling station; has site south of Seebree Bridge.

Mo., Kansas City—Robert B. Cannon Sales Co., Inc., chartered by May A. Conon, 3536 Park St.; Michael Kelly, 3232 Gilham Road and others; automobile accessories, etc.

Mo., Kansas City—Decker George Motor Co., incorporated by Clinton R. Decker, 3528 Euclid St.; John J. Cosgrove, Arcade Bldg. and others.

Mo., West Plains—Pierce Oil Co. has site and will erect filling station.

N. C., Charlotte—Gulf Refining Co., W. Riddell St., will construct \$4500 brick filling station corner of Central and Ebert Aves.

N. C., Clinton—Asbury Motor Co., capital \$100,000, incorporated by Winnie Rowland Asbury, F. L. Crowell and S. J. Asbury, Jr., 1310 E. 4th St., all Charlotte, N. C.

N. C., Durham—J. H. Harris, Roxboro Rd., will erect filling station and storage building on Chapel Hill St.; brick, 1-story, 100x200 ft., with capacity of 120 cars; cost \$30,000.

N. C., Greenville—Chapman-Burnett Motors Corp., capital \$25,000, chartered by Geo. B. Chapman, E. S. Burdette, M. P. Chapman.

N. C., Goldsboro—Garage, etc.—Jos. R. Williamson, Inc., capital \$100,000, chartered by Jos. R. Williamson, T. A. Dewey and others.

N. C., Kernersville—Filling Station—The Kernersville Development Co. will erect filling station; has acquired site.

N. C., Lexington—Main Auto Service Co., capital \$50,000, incorporated by R. S. Yarborough, W. J. Vestal, Jr., and others.

N. C., Lexington—Filling Station—Sam Yarborough and Willis Vestal will erect filling and service station on Hamner St.

N. C., Newton—Hewitt Motor Co., capital \$100,000, incorporated by R. Lee Hewitt, R. W. Cline, Geo. A. Hewitt.

N. C., Winston-Salem—Pilot Motor Service Co., 3rd St., will erect station corner Liberty and Second St.

Okl., Oklahoma—Oklahoma Gas & Electric Co., J. F. Owens, Gen. Mgr., have begun construction of first unit of a \$300,000 service department building corner S. Broadway and Mobile St.; 2-story, 100x110-ft., brick and concrete construction; install electric elevators, install machine shop and garage facilities; Frank Partridge, in charge of construction.

S. C., Allendale—Lawton Motor Co. incorporated with J. R. Boylston, Pres.; W. Z. Bryan, Sec.-Treas.

S. C., Denmark—Denmark Buick Co., increased capital from \$20,000 to \$30,000.

Tex., Beaumont—Jackson Motor Co., Ben D. Jackson, Pres., 1211 McFaddin St., let contract to Herman Weber, 311 Perlstein Bldg., Beaumont, to erect two structures on Calder St. and Pearl St., one of two stories and one of one story adjoining; estimated cost of plant and equipment \$85,000.

Tex., Fort Worth—Filling Station—Permits have been issued for installation of the following filling stations: H. A. Jones, 2219 Evans Ave.; W. C. Hodges, 2220 Evans Ave.; Guy W. Daniel, 711 Commerce St.; R. A. Stuart, Ninth and N. Commerce St.; Abgott Auto Co., 288 W. Eleventh St.; Ellis Ivey, Riverside, and J. N. Brooks, 1202 Calhoun St.

Railway Shops, Terminals, Round-houses, Etc.

Va., Norfolk—Chesapeake & Ohio Ry., W. J. Harahan, Pres., Richmond, let contract to the New York Shipbuilding Co., Camden, N. J., at \$138,500 to build steel car float with

capacity of 32 cars, providing additional equipment for floating property at Hampton Roads.

Road and Street Construction

Ala., Albany—State Highway Dept., Montgomery, interested in improving Echols Hill road in Albany, being part of Bee Line Highway and old Somerville road.

Ala., Anniston—City let contract to Morgan-Hill Paving Co., Woodward Bldg., Birmingham, Ala., for street paving; estimated cost \$110,000.*

Ala., Ensley—City Comm. plans paving Seventeenth from Ave. C to St. Joseph's Church; estimated cost \$50,000.

Ala., Florence—Lauderdale County plans building 8 mi. Florence-Athens Highway between Florence and Killen. Address County Commrs.

Ala., Huntsville—Madison County Commrs. let contract to Lasley Brothers, Chattanooga, Tenn., at \$59,835, to pave 2 mi. Whitesbury pike, south of Huntsville, 5-in. concrete base and 2-in. asphalt surface.*

Ala., Montgomery—City plans paving sidewalks on Linden Ave. between Court and Perry; W. A. Gunter, Mayor.

Ala., Oneonta — State Highway Comn., Montgomery, authorized expenditure of \$20,000 to re-condition section of road in Blount County.

Ala., Rockford—Coosa County Commrs. Court let contract to Standley & Singer Construction Co. to build road from Rockford to Elmore County line.

Arkansas—State Highway Dept., Little Rock, will receive bids Sept. 30 for 18 mi. gravel road in Lee and Polk counties.

Ark., Mountain Home — Baxter County, Commrs. of Road Dist. No. 5, Ozark Forest Dist., plan building road from Mountain Home to Big Flat, via Norfolk.

Ark., Pine Bluff—City let contract to E. C. Cochran, 635 Beech St., to lay cement sidewalks in residential section. Address The Mayor.

Ark., Powhatan—Lawrence County let contract to Road Contractor Albright for 2½ mi. road in Hoxie Improvement Dist. No. 2. Address County Commrs.

Fla., Bradentown—City plans several additional miles of paving; Whitney Curry, Mayor.

Fla., Clearwater—Pinellas County, Largo Dist., plans 10 highways; 5.7 mi. Oakhurst-Indian Rocks; 5.8 mi. Ridge Road; 2 mi. Leach Road; 3½ mi. Ulmerton Blvd.; 1 mi. Rosery-Cemetery; 1 mi. Church; 6 mi. Dr. Bob McMullen Road; 1½ mi. Belcher; 2¼ mi. Walsingham; ¾ mi. Walker-Mellenbacher; voted \$400,000 bonds; Clearwater Dist. voted \$198,000 bonds; John N. Brown, Clk.*

Fla., Clearwater—Pinellas County formed Road Dist., including Dunedin, Ozona and Curlew; plans building 16-ft. boulevard from Dunedin to concrete bridge at Oldsmar; also will pave 4 mi. roadway from Dunedin to Ozona; will construct 2 small bridges. Address County Commrs.

Fla., Cocoa—Details under Land Developments.

Fla., Coconut Grove—Town let contract to W. T. Price to lay cement sidewalk on Tiger-tail road from Mary to Grapeland, and to resurface and oil Business St. Address The Mayor.

Fla., Fort Lauderdale—City let contract to C. E. Fritz to improve West Ave. from N. Second St. to Waverly Place. Address The Mayor.

Fla., Fort Pierce—City will receive bids Oct. 1 to grade, drain and pave 5 streets, 2½-in. penetration wearing course on 6-in. compressed rock base, 10,900 sq. yd. pave-

ment; 3685 cu. yd. excavation; plans, etc., from Miller Hollowes, Engr.; C. J. Ryan, City Mgr.

Fla., Lake Wales—Town plans laying sidewalks on various streets. Address The Mayor.

Fla., Miami—City plans expending \$500,000 for additional paving; Ernest Cotton, Director of Public Service.

Fla., Miami—Details under Land Development.

Fla., Miami Beach—City plans street paving; voted bonds. Address The Mayor.

Fla., New Smyrna—Details under Land Developments.

Fla., Pensacola—Road—Escambia County Commrs., Jas. Macgibbon, Clk., will receive bids Oct. 7 for \$750,000 6% \$1000 denom. bonds.

Fla., St. Augustine—Details under Land Developments.

Fla., St. Petersburg—City Comm. let contract to W. J. Overman Co. for 30-ft. and 50-ft. paving on two streets; also plans widening Fourth Ave. to 60-ft. from Fifth to Seventh Sts.; Ernest Kitchen, Director of Public Works.

Fla., Sanford—Chamber of Commerce, Good Roads Committee, interested in improving and building roads in Seminole County, including boulevard along Lake Monroe from proposed new bridge at Lake Monroe to Sanford; plans \$1,000,000 bond issue.

Fla., Sarasato—Details under Land Developments.

Fla., Tampa—City plans widening and paving Lafayette and Madison Sts., and grading, curbing and paving with 2½-in. asphalt blocks Ninth St. and Carew Ave.; R. D. Martin, City Engr.

Fla., Tampa—Details under Land Developments.

Fla., West Palm Beach—Details under Land Developments.

Fla., West Palm Beach—Florida East Coast Ry. Co., W. G. Brown, Engr. M. W., St. Augustine, let contract to American Engineering & Construction Co., Miami, to complete 4 mi. grading from Canal Point to Pahokee.

Ga., Americus—City plans repaving entire business section; contemplates voting on \$100,000, 4% bonds; J. Elmore Poole, Mayor.

Ga., Augusta—City let contracts for street paving: Claussen-Lawrence Construction Co., 1473 Greene St., for concrete on Eighth St. and Milledge road; W. F. Bowe, to resurface with asphalt Seventh and Ninth; both Augusta.

Ga., Columbus—State Highway Dept., East Point, will receive bids soon to rebuild 4 mi. Cusseta road; plans constructing Upatoi Creek Bridge on Cusseta road.

Ga., Covington—Newton County plans paving Highway No. 12 from Rockdale County line through to Walton County; voted bonds. Address County Commrs.

Ga., Decatur—City will receive bids this week to pave following streets: Ponce De Leon, grade and pave with clay gravel base, bituminous macadam surface; Third Ave., clay gravel base, bituminous macadam surface; Adams St., re-surface with asphaltic concrete; McDonough St., grade and pave with waterbound macadam base, asphaltic concrete surface, also concrete curb and sidewalk; Feld Ave. repaired with black base, and re-surfaced with seal coat; J. S. Looney, City Mgr.

Kentucky—State Highway Comn., Frankfort, will receive bid soon to grade and drain 6 roads: Morgan County, 11.5 mi. Salyersville—West Liberty; Metcalfe County, 8.1 mi. creek gravel unrolled or waterbound macadam

Edmonton-Glasgow; Scott County, 15.9 mi. Lexington-Covington; Whitley County, 5.8 mi. bituminous macadam penetration, rock asphalt or Illinois reinforced concrete Williamsburg-Jellico to Tennessee State line; Lawrence County, 4.8 mi. Louisa-Sandy Hook; Pendleton County, rebuild 8.6 mi. waterbound macadam Augusta-Newport; Joe S. Boggs, State Highway Engr.

Kentucky—State Highway Comm., Frankfort, will receive bids Oct. 29 to grade and drain 12 road projects: Breckinridge County, 10 mi. Louisville-Paducah road; Floyd County, .8 mi. Paintsville-Prestonburg (Mayo Trail); Clay County, 17 mi. McKee-Pineville (Bosworth Trail); Crittendon County, 13 mi. Marion-Morganfield road; Davies County, 5 mi. Louisville-Paducah; Green County, 5 mi. creek gravel or waterbound macadam Greensburg-Hodgenville; Hardin-Larue Counties, 4 mi. Elizabethtown-Hodgenville; Jackson County, 15 mi. Richmond-McKee (Bosworth Trail); Madison County, 3 mi. Richmond-McKee (Bosworth Trail); Magoffin County, 11 mi. Salyersville-West Liberty; Meade County, 5 mi. bank gravel or waterbound macadam Louisville-Paducah; Joe S. Boggs, State Highway Engr.

Ky., Henderson—State Highway Comm., Frankfort, plans graveling one-half Ohio River road in Henderson County, from County line to Corydon; Joe S. Boggs, State Highway Engr.

Ky., Lexington—City will receive bids about Dec. 15 for 4 blocks 50-ft. concrete or asphalt street paving; plans, etc., from J. White Guyn; Hogan Yancey, Mayor.*

Ky., Louisville—Jefferson County Fiscal Court will receive bids Sept. 26 to macadamize road from South Park to Coral Ridge; plans, etc., from Merritt Drane, County Surveyor, and County Clk.

Ky., Whitesburg—Letcher County Fiscal Court plans building 2 mi. road on Rockhouse Creek.

Louisiana—Louisiana Highway Comm., Raymond Bldg., Baton Rouge, received low bids for 2 roads: Vernon Parish, 13.52 mi. Leesville-DeRidder highway, Byrd & Clopton, Morrow, La., \$85,531; Pointe Coupee Parish, 3½ mi. Morganza-Ravenwood highway, Lalche & Milner, Morganza, La., \$12,895.*

Louisiana—Louisiana Highway Comm., Raymond Bldg., Baton Rouge, received low bids for 2 roads: East Baton Rouge Parish, 7.78 mi. gravel Greenwell Springs road, C. R. White, Centerville, Miss., \$40,997; Natchitoches Parish, Natchitoches-Leesville Highway, Scott & Bass, Natchitoches, \$30,109.

La., Baton Rouge—City will receive bids Oct. 2 to relay sidewalks on West St.; plans, etc., on file and from City Engr.; W. P. Burden, Sec. of Comm.

La., Colfax—Louisiana Highway Comm., Raymond Bldg., Baton Rouge, will receive bids Oct. 9 for 2 sections of roads in Grant Parish: 7.19 mi. Colfax-Pollack Highway; 3.22 mi. Pollock-Jena Highway; plans, etc., on file; J. M. Fourmy, State Highway Engr.

La., Monroe—City will receive bids Sept. 30 to pave with asphaltic concrete Harrison from Hall to Sixth and Louise Anne from Jackson to Third, 4110 sq. yds. asphaltic concrete, 2500 lin. ft. curb and gutter, 100 sq. yds. concrete sidewalks, 14 inlets, 3 manholes, 1000 lin. ft. 15-in. to 21-in. storm sewers; plans, etc., from City Engr.; P. A. Poag, Sec.

La., Monroe—City will receive bids Sept. 30 to pave with gravel from Sixth to Little Rock and Monroe Ry. crossing, 7500 sq. yds. gravel, 4000 lin. ft. curb and gutter, 34 inlets, 4 manholes, 2100 lin. ft. 15-in. and 18-in. storm sewer; Mulberry St. from Jackson to Grand Ave. with asphaltic concrete, 1410 sq. yds. asphaltic concrete, 1100 lin. ft.

curb and gutter, 75 sq. yds. concrete sidewalks; plans, etc., from City Engr.; P. A. Poag, Sec.

La., Monroe—Ouachita Parish will receive bids this week for 3 sections of roads: Jonesboro Highway, Sec. 4, Ward 7, 30,000 yds. embankment 26.7 yds. concrete culvert; Columbia Extension, No. 3, Ward 9, 33,400 yds. embankment, 13.2 yds. concrete culvert; Terminal Heights along Johnston's Lane. Mississippi and Winsboro road, 3000 yds. embankment. Address Parish Police Jury.

La., Napoleonville—Assumption Parish Police Jury plans building 5 mi. shell and gravel road; R. L. Baker, Pres.; J. C. Waites, Engr.; sold \$20,000 bonds.

La., New Orleans—City and State plan paving Claiborne Ave. across New Orleans from upper protection levee to St. Bernard Parish line; John Klorer, City Engr.

La., Vidalia—Louisiana Highway Comm., Raymond Bldg., Baton Rouge, let contracts to McKeither Construction Co., for 2 sections of road in Concordia Parish: 1.93 mi. Lucerna-Kemora levee road, \$20,523; 1.9 mi. Panola Levee road, \$21,109.

Md., Baltimore—Paving Comm., 214 E. Lexington St. plans expending \$7965 to pave Queensberry Ave., \$22,800 to grade Lafayette and Norman Aves.; and \$14,950 to pave Woodbine Ave.; Bernard L. Crozier, Highways Engr.

Md., Baltimore—City let contract to Albert Apicella, 2907 McElderry St., at \$14,119, to lay cement concrete footways in Footway Cont. St.*

Mississippi—State Highway Comm., Jackson, will receive bids as follows: Oct. 9, 6½ mi. Vicksburg-Rolling Fork Road, Issaquena County; Oct. 7—18 mi. road between Bay St. Louis and Louisiana State line, Hancock County; Oct. 1—10 mi. Vicksburg-Rolling Fork Road, Sharkey County; Sept. 30, about 2 mi. between Yazoo City and Belzoni, Yazoo County.

Miss., DeKalb—State Highway Dept., Jackson, Miss., let contract to W. T. Tolbert, Bailey, Miss., to build road and bridge over Little Chunky Creek, between Newton and Meridian, Kemper County.

Miss., Grenada—Grenada County plans graveling highway from Grenada to Calhoun County line. Address County Commrs.

Miss., Hattiesburg—Forrest County, Board of Supvrs., will receive bids Oct. 6 to improve or build .133 mi. road between Hattiesburg and Wiggins, 1800 cu. yd. common and borrow excavation, 244 cu. yd. gravel, 250.96 cu. yd. Class A concrete, 15,970 lbs. reinforcing steel; plans, etc., on file, or from H. C. Dietzer, State Highway Engr., Jackson, Miss.

Miss., Hattiesburg—Forrest County, Board of Supvrs., plans building about 10 mi. brick and concrete roads and streets, and 2 or 3 steel and concrete bridges; estimated cost \$300,000; J. B. Limburgh, Pres. of Board.*

Miss., Jackson—Hinds County, Board of Supvrs., will receive bids October 8 to gravel 1 mi. road in First and Fifth Supvrs. Dist., and 2½ mi. on Utica and Crystal Springs Road; W. W. Downing, Chancery Clk.

Miss., Senatobia—Tate County plans 2 mi. gravel road in Fifth Supvrs. Dist., connecting Independence and Memphis. Address County Commrs.

Missouri—State Highway Dept. Jefferson City, let contracts for 3 roads: Grundy County, 4.868 mi. 30-ft. graded earth, from Trenton south, C. P. O'Reilly & Co., St. Louis, \$30,440; Nodaway County, 2 sections to C. H. Atkinson Paving Co., Watertown, S. Dakota: 2.212 mi. earthwork from Maryville east and west, at \$20,683; 2.212 mi. 18-ft. concrete surfacing, from Maryville east and west, at \$33,747.*

Mo., Chillicothe—City will receive bids soon to pave with rock asphalt Jackson St. from Washington to Dickson. Address The Mayor.

Mo., Clinton—City let contract to Reed & Wheelock, Clay Center, Kan., at \$43,366, to pave with vibrolithic finish nine blocks on Third St.

Mo., Independence—City plans re-surfacing with seal coat, Pleasant from Van Horn to Pacific. Address The Mayor.

Mo., Jefferson City—City plans grading and paving cement concrete alley between Madison and Monroe Sts., and grading, guttering, curbing with cement and paving with penetration bituminous macadam, Bald Hill road; H. A. Nall, City Clk.

Mo., Joplin—City Comm. plans laying sidewalk on Murphy Ave. and curb and gutters on Twenty-fifth St.

Mo., Joplin—City plans laying concrete curb and gutter on Virginia Ave., and Twenty-fifth St.; F. Taylor Snapp, Mayor.

Mo., Liberty—S. J. Grace & Son Construction Co., Minneapolis, Minn., was awarded contract to grade 11½ mi. Excelsior Springs-Richmond Highway.

Mo., Maryville—City let contract to Cook & O'Brien Construction Co., Kansas City, at \$2.98 per sq. yd. to pave with concrete Market St.*

Mo., Springfield—City plans laying concrete curb on Oliver St. from Campbell to Jefferson Ave.; let contract to E. V. Koch for curbing Missouri Ave. and Chestnut St.; W. E. Freeman, Mayor.

Mo., Troy—Lincoln County plans improving 2 roads. Details under Bridges, Culverts, Viaducts.

N. C., Ahoskie—Town plans paving nine blocks on Main St.; authorized \$65,000 bond issue. Address The Mayor.

N. C., Asheville—Details under Land Developments.

N. C., Bakersville—Mitchell County Board of Road Commrs. will receive bids Oct. 7 to surface 6 roads: Grade 6 mi. road from point near Bakersville to Glen Ayres; 11 mi. Boonford, Bandana, Ledger Highway; 3½ mi. Mine Creek; 8 mi. road from point near Forbes to Buladean; 11 mi. road from Bakersville-Red Hill Township line, near Toecane, N. C., to Hunt Dale; improve McKinley Cove and White Oak roads in Bakersville Township; M. A. Anderson, Chmn.

N. C., Durham—City plans laying cement sidewalk on East Lynch St. Address City Mgr. Rigby.

N. C., Gastonia—Details under Land Developments.

N. C., Greensboro—City authorized issuance of \$500,000 bonds for extending and improving streets; P. C. Painter, City Mgr.

N. C., Wake Forest—Board of Commrs. will receive bids Oct. 14 for street paving, estimated cost \$65,000; plans, etc., from W. M. Platt, Engr., Durham, N. C.; E. W. Timberlake, Jr., Clk.

Oklahoma—State Highway Dept., Oklahoma City, received low bids for 6 roads: Creek County, 6.27 mi. concrete near Bristow, Ward-Brooks Co., Oklahoma City, \$198,757; gravel road in Creek County, J. C. Towel, 1524 W. 25th St., Oklahoma City, \$6880; Choctaw County, 5½ mi. gravel from Hugo to Grant, E. S. Alderman, Oklahoma City, \$48,575; Haskell County, 4½ mi. west of Stigler, J. J. Harrison, 906 W. 13th St., Oklahoma City, \$31,021; LeFlore County, 4½ mi. gravel from Tatihani, A. A. Davis & Co., Oklahoma City, \$60,727; Latimer County, 9.13 mi. gravel east of Wilburton, W. P. McCoy, Wichita Falls, Tex., \$97,178.*

Okl., Chandler—Lincoln County plans relocating and building road from Oklahoma

County line to Okfuskee County line; estimated cost \$30,000, State Highway Comm. and County each to pay \$15,000; J. M. Page, Highway Dept. Engr., Oklahoma City, in charge.

Okl., Cherokee—Alfalfa County plans expending \$150,000 for highway improvements including \$100,000 to maintain and build 50 mi. roads, and \$50,000 for nine bridges; L. C. Bernard, County Engr.

Okl., Enid—State Highway Dept., Oklahoma City, let contract to Hyde Construction Co., Enid, for \$140,000 4½ mi. hard surfaced road from Enid north to Grant County line, and to Yates Construction Co., Ada, Okla., at \$125,000 for 4½ mi. road from Enid to Grant County line.*

Okl., Fairfax—L. R. Moran, was awarded contract at \$71,558 for eight blocks of paving.*

Okl., Grandfield—City let contract to Pierce Construction Co., Edmond, at \$20,000, to pave two blocks in business section.

Okl., Hugo—State Highway Comm., Oklahoma City, let contract to J. S. Alderman to hard surface road from Hugo to Grant.*

Okl., Norman—City plans expending \$17,700 to pave three blocks of streets. Address The Mayor.

Okl., Norman—State Highway Comm. let contract to Gibson & Mitchell, Paul's Valley, at \$499,012 for 16 mi. concrete and rock asphalt road from Lexington to Norman.

Okl., Nowata—Nowata County plans building 6 mi. road from Nowata to Coody's Bluff. Address County Commrs.

Okl., Oklahoma City—City let contract to M. A. Swatek Co., 519½ W. Main St., at \$10,712, to pave Elm St. Address The Mayor.

Okl., Stigler—Haskell County plans building 4½ mi. road west of Stigler. Address County Commrs.

Okl., Tulsa—City will receive bids Sept. 26 for paving in 12 districts; estimated cost \$296,000. Address City Engr.

S. C., Aiken—Aiken County Commrs. let contract to McKenzie & Johnson, Abbeville, at \$15,138 for 3.3 mi. Sand Bar Ferry road; to Latimer & Peak, Batesburg, S. C., at \$14,229, for concrete bridge over Upper Three Runs near Ellenton.*

S. C., Anderson—City plans expending \$20,000 for street improvements: \$15,000 to curb, drain and improve sidewalks on ten streets; \$5000 to extend sewers; Foster Fant, Mayor.

S. C., Columbia—Richland County will receive bids this week to improve two sections Spring Hill road, Dutch Fork Township; grade and top-soil 4500 lin. ft. north of 15 mi. post; grade and top-soil 2 mi. road near Lexington County line; build 5-ft. x 4-ft. reinforced concrete culvert at Ballentine Branch; plans, etc., from Tomlinson Engineering Co., 1002 Loan & Exchange Bank Bldg., Columbia; Andrew Patterson, Supvr.

S. C., Gaffney—Cherokee County Road Comm., plans surfacing 8 mi. National Highway from Gaffney to Blacksburg, cost \$16,000; W. E. Peeler, Chmn.

S. C., Greenville—Greenville County will receive bids Oct. 8 for 6.395 mi. State Route No. 8, 78,529 cu. yds. common excavation, 19,314 lbs. reinforcing steel, 75,040 sq. yds. plain cement concrete surface, 69,412 sq. yds. sheet asphalt, asphaltic concrete surfacing on plain cement concrete base; plans, etc., from E. D. Sloan, Div. Engr., Greenville, or State Highway Enr., Columbia, S. C.

S. C., Greenville—State Highway Comm., Columbia, will receive bids Oct. 6 for 7 or 8 mi. hard surface Greenville-Greer highway.

S. C., Laurens—Laurens County plans 200 mi. top soil road, estimated cost \$400,000;

J. F. Jacobs, Clinton, S. C., interested.

S. C., York—State Highway Dept., Columbia, let contract to Ben H. Martin, Easley, at \$33,000 for 1.083 mi. macadam road between Rock Hill and Fort Mill.*

Tennessee—State Highway Comm., Nashville, plans building 2 roads through Smoky Mountains, connecting with North Carolina; Sevier County, from Gatlinburg to Indian Gap; Blount County, from Cades Cove to Elkenetee Gap; J. G. Creveling, Commr.

Tenn., Carthage—City will receive bids Sept. 26 to resurface existing macadam pavement for foundation, lay new macadam foundation and surface with asphaltic pavement; Kentucky rock asphalt (penetration method); concrete gutters, macadam or gravel shoulders; 12,150 sq. yds. surface, 2600 cu. yds. crushed stone, 1040 cu. yds. concrete gutters; plans, etc., from B. H. Klyce, Engr., 506 Fourth hand First National Bank Bldg., Nashville, or Floyd F. Robinson, Sec.-Treas.

Tenn., Cleveland—Bradley County plans repairing road from Hamilton County line to McMinn County line. Address County Commrs.

Tenn., Dresden—State Highway Dept., Nashville, plans improving 2 roads: From Dresden to Obion County line; Mississippi Valley Highway from Weakley County line to Martin, Tenn.

Tenn., Memphis—City plans widening Central Ave. from 40 to 72 ft. from Cooper to Parkway; also plans paving with asphalt McLemore Ave., from Mississippi Blvd. to College St. Address The Mayor.

Tex., Alpine—Brewster County plans 17 mi. State Highway No. 3 from Pecos County line west. estimated cost \$14,000; A. L. White, County Engr.; M. S. Burke, County Judge.

Tex., Amarillo—Potter County plans gravel surfacing 6 mi. State Highway No. 13, west of Amarillo, estimated cost \$39,800; O. A. Seward, County Engr.; Sam B. Motlow, County Judge.

Tex., Amarillo—Potter County let contract to McKnight Transfer Livery & Sales Co., Amarillo, to grade 1.04 mi. State Highway No. 33.*

Tex., Austin—Travis County Commrs. let contracts to construct drainage structures on 2 roads: To R. G. Buckner & Sons, Cleburne and Gonzales, at \$12,369, for Turnerville road; H. J. Evans, 500 W. 15th St., Austin, for Fitzhugh road.

Tex., Beaumont—Jefferson County plans building 3 roads: From Sabine Pass to Galveston County; portion of road from Beaumont to High Island, and road to Sour Lake; contemplates voting on \$1,000,000 bonds. Address County Commrs.

Tex., Beaumont—Jefferson County plans paving Sabine Pass Ave. from juncture with Port, Highway and Frederick St. Address County Commrs.

Tex., Bonham—Fannin County plans 1 mi. 18-ft. concrete pavement on State Highway No. 5, from Road Dist. No. 23 line to Road Dist. No. 14 line; estimated cost \$35,800; Pinkney B. Price, County Engr.; S. E. Nelson, County Judge.

Tex., Brownsville—Cameron County plans building 12 mi. road from Brownsville to Los Fresnos. Address County Commrs.

Tex., Canadian—Hemphill County will receive bids October 10 for 1.15 mi. State Highway No. 4; G. G. Edwards, Div. Engr., Amarillo; J. E. Stephens, County Judge.*

Tex., Carthage—Panola County plans building Highways No. 8 and No. 64. Address County Commrs.

Tex., Center—Shelby County let contract to Hannah Construction Co., Colgin Bldg., Waco, at \$146,000 to grade and gravel 11½ mi. State Highway No. 35.

Tex., Dallas—City will resurface with macadam about twenty blocks; R. W. Wylie, Street Commr.

Tex., Dickens—Dickens County will receive bids Oct. 21 for 7.32 mi. gravel and 5.91 mi. caliche Dickens-Motley Highway, \$9,392 cu. yds. earth roadway loose and solid rock and earth borrow excavation; 36,212 lbs. reinforcing steel; gravel and caliche to be furnished by County; J. W. Alger, County Engr.; H. A. C. Brummett, County Judge.

Tex., Eagle Pass—Maverick County plans building road through County to Dimmitt County line; voted \$150,000 bonds; cost \$300,000; State Highway Dept., to pay half. Address County Commrs.

Tex., Eastland—Eastland County, Desdemona Dist. plans grading and graveling 14 mi. DeLeon and Desdemona road; voted \$50,000 bonds. Address County Commrs.

Tex., El Paso—El Paso County let contract to Veater & Davis, at \$62,126, to build 7 mi. waterbound macadam San Elizario-Fabens road. Address E. B. McClintock, County Judge.

Tex., Fairfield—Freestone County plans 23 mi. State Highway No. 7, between Fairfield and connection with State Highway No. 43, near Trinity River estimated cost \$182,500; J. E. Johnson, County Engr.; J. F. Roper, County Judge.

Tex., Fort Worth—Board of Park Commrs. let contract to West Texas Construction Co., 504 Cotton Exchange Bldg., Fort Worth, at \$38,137, to pave driveway through Forest Park, 2-in. block base, with 1½-in. bitulithic surface.

Tex., Gainesville—City plans permanent paving on California St. from Pecan Creek to Burris St.; J. A. Thomas, Mayor.

Tex., Hemphill—Sabine County, Bronson Special Road Dist. plans improving and hard-surfacing sections of State Roads Nos. 13 and 19; voted \$75,000 bonds. Address County Commrs.

Tex., Houston—City, plans expending \$8500 to gravel 5 streets; O. F. Holcombe, Mayor.

Tex., Jacksonville—City let contract to Smith Bros., American Exchange Bank Bldg., Dallas, at \$154,000 to pave various streets with Uvalde rock asphalt; T. E. Acker, Mayor.

Tex., Jacksboro—Jack County will receive bids Oct. 3 to grade and construct drainage structures on 17.38 mi. State Highway No. 39, from Jacksboro to Wise County line; Guy R. Johnston, County Engr.; H. C. McClure, County Judge.

Tex., Linden—Cass County will receive bids soon for 4.99 mi. 9-ft. concrete pavement on State Highway No. 48; estimated cost \$123,000; F. E. Hess, County Engr.; S. L. Henderson, County Judge.

Tex., Muleshoe—Bailey County will receive bids Oct. 7 for 6.42 mi. sand clay road, 20,000 yd. earth borrow; plans, etc., from State Highway Dept., Austin, and County Engr., Muleshoe.

Tex., San Antonio—I. Ewig, City Engr., is making preliminary survey to install surface drainage system in Highland Park section, consisting of 4600-ft., 30-ft. wide reinforced concrete street, with 1-ft. curb, estimated cost \$50,000.

Tex., San Augustine—San Augustine County Commrs., plan building 3 mi. road connecting Kings Highway and highway from Bronson.

Tex., Vernon—Wilbarger County plans 12.09 mi. 8-ft. concrete pavement on State Highway No. 5 from Harrold to Wichita County line; estimated cost \$406,000; John B. Nabors, County Engr.; O. T. Warlick, County Judge.

Tex., Waco—City let contract to K. S. Hull, Waco, at \$2.98 per yd., for about 25,000 yds. 2½-in. brick on 5-in. concrete base street paving.

Tex., Waco—City will receive bids Oct. 13 to pave 3 streets, estimated cost \$80,000; V. G. Koch, Engr.

Tex., Waxahachie—Ellis County, Italy Dist., plans highway improvement; cost \$189,000; contemplates voting on bonds; W. A. Spalding, Engr.; H. R. Stovall, Judge.

Tex., Wichita Falls—City let contract to L. E. Witham Co., Wichita Falls, at \$3.00 per yd., to pave Kemp Blvd.; will receive bids soon to pave Ave. G with permanent paving; W. E. Broom, Mayor; F. M. Rugsley, Engr.

Va., Harrisonburg—East Side Shenandoah Valley Highway Assn. organized by A. Kerfoot, Berryville; George H. Burwell, Millwood; H. E. Naylor, Front Royal, and others; plans highway system paralleling Valley Pike, along east side Shenandoah Valley, from Waynesboro, Augusta County, to Berryville, Clarke County.

Va., Norfolk—City will let contract to pave Main St.; Walter H. Taylor, 3d, Director of Public Works.

Va., Norfolk—City plans paving roadway on Powhatan Ave.; W. E. Rew, Engr. in charge of Highways and Bridges.

Va., Richmond—City let contract to W. E. Carter, Carneal Bldg., Richmond, to grade and gravel Rogers St. from T St. to Fairfield.*

Va., South Norfolk—City received low bid from Park Lindsay, Portsmouth, for reinforced concrete paving on Ohio Ave. and Pruxton Sts., and from General Construction Co., Norfolk, for asphalt.*

W. Va., Charleston—Kanawha County Court will receive bids Oct. 7 for 1½ mi. road down Brier Creek from mouth of Spruce Fork, Washington Dist.

W. Va., Huntington—City let contract to Amos Trainer to pave Adams Ave. from Chapman Crossing to Four Pole Creek Bridge; Floyd S. Cmapman, Mayor.

W. Va., Wayne—Wayne County, Westmoreland Dist., plans road from Piedmont road to mouth of Bob's Branch; will vote Oct. 11 on \$70,000 bonds. Address County Commrs.

Sewer Construction

Ala., Albany—City let contract to C. E. Malone for constructing storm sewer on W Sixth Ave.

Ala., Tuscaloosa—Details under Land Developments.

Fla., Bradentown—Details under Water Works.

Fla., Cocoa—Details under Land Developments.

Fla., Miami—Details under Land Developments.

Fla., New Smyrna—Details under Land Developments.

Fla., St. Augustine—Details under Land Developments.

Fla., Sarasota—Details under Land Developments.

Fla., Tampa—Details under Land Developments.

Fla., West Palm Beach—City let contract at \$40,549 to W. S. Lockman, Jr., for constructing sewer in storm sewer Dist. No. 4.

Fla., West Palm Beach—Details under Land Developments.

Ky., Paducah—City contemplates constructing lateral sewers connecting with 600,000 trunk line sewer; J. N. Bailey, Mayor.

La., Monroe—Details under Road and Street Construction.

Md., Baltimore—City will have Milton J. Ruark, Sewerage Engr., design sewage disposal plant to be constructed at Curtis Bay.

Md., Baltimore—Public Improvement Commsn. allotted to Bernard L. Crozier, Highways Engr., \$50,000 for drainage work in connection with improvement of Queensberry Ave. from Oaklay Road to Belvedere Ave. and \$4200 for water main in same street.

Md., Mount Wilson—Details under Water Works.

Mo., Springfield—City Council let contract to Ralph McSweeney for construction of sewer in Dist. No. 43 and No. 25.

N. C., Asheville—Details under Land Developments.

N. C., Lumberton—Board of Robeson County Commrs., John W. Ward, Chrmn., will receive bids Oct. 6 for furnishing and installing sewage disposal system and water supply system for County Home. (See Machinery Wanted—Water System, etc.)

Okla., Braman—Details under Water Works.

Okla., Cushing—Details under Water Works.

S. C., Anderson—Details under Road and Street Construction.

S. C., Sumter—City, R. D. Epps, Mayor, is receiving bids for construction of approximately 3000 ft. of sewers and appurtenances; Lee, Murray & Palmer, Engrs., Sumter.

Tex., Caldwell—City voted \$45,000 bonds for construction of sewers. Address The Mayor.*

Tex., Houston—City let the following contracts for sanitary and storm sewers: To A. E. Quay Construction Co., First National Bank Bldg., at \$18,000, for constructing sanitary sewer on Leeland Ave. from Hutchins St. to Telephone Road, and at \$22,000 for constructing sanitary sewer from Eastwood pumping station to Telephone Road and Lawndale addition; to Charles K. Horton, 2202 Clay St., for 3 storm sewer projects at cost of \$41,200 on Clay Ave., Smith St. and Julian St., etc.*

Tex., Houston—Details under Land Developments.

Tex., Waco—City received low bids on sewer system as follows: Bart Moore Construction Co., 308 Amicable Bldg., Waco, at \$227,000 for Contract No. 1, which includes general contract; Texas Sand & Gravel Co., 501 Amicable Bldg., Waco, at \$96,000 for Contract No. 2, providing for concreting materials; Bartlett Engineering Co., Engrs., Calcasieu Bldg., San Antonio, Tex.*

Va., Norfolk—Walter H. Taylor, 3rd, Director of Public Works, opens bids Sept. 26 to construct three sewage pumping stations at Ocean View. (See Machinery Wanted—Sewage Pumping Plant.)

Va., Norfolk—City, Walter H. Taylor, 3d, Director of Public Works, will receive bids Sept. 30 for construction of drains at Aview Ave. and Granby St. and at Cottage Toll Rd. and Granby St. (Ocean View.) (See Machinery Wanted—Drains.)

Telephone Systems

Fla., Palm Beach—Southern Bell Telephone Co., T. L. Jordan, local Mgr., contemplates expending \$250,000 on building line across the Everglades connecting Palm Beach and the Gulf coast.

Fla., West Palm Beach—Southern Bell Telephone Co., main office Atlanta, Ga., will begin construction of \$40,000 improvements, including laying conduits, placing wires underground, etc.

La., New Orleans—Cumberland Telephone & Telegraph Co., 820 Poydras St., let contract to Gervais F. Favrot, Canal-Commercial Bldg., to construct Walnut exchange at Bur-

dette and Zimple St., cost approximately \$13,000; also to Lionel F. Farvet for Jackson exchange addition at Carondelet and Josephine St., cost \$20,000; Rathbone deBeys, Archt., Hibernia Bldg.*

Md., Baltimore—Chesapeake & Potomac Telephone Co., George H. Warren, Div. Mgr., will expend \$70,000 on installing additional switchboard equipment in the Homewood central office at Thirty-first St.; work involves placing six additional positions of switchboard equipment, 1240 primary answering jacks, 1120 secondary answering jacks, etc.

Md., Mount Rainier—Chesapeake & Potomac Telephone Co., Geo. H. Warren, Div. Mgr., 5 Light St., Baltimore, Md., plans laying cable from the Hyattsville central office to Mount Rainier.

N. C., Rutherfordton—Southern Bell Telephone & Telegraph Co., of Charlotte, N. C., Morgan B. Speir, Mgr., contemplates taking over the Rutherford County Telephone property, will probably expend about \$47,000 on improvements.*

Tex., Levelland—G. C. Berry of Cherokee, Tex., contemplates building toll line into Lubbock, connecting Levelland, Morton and intermediate points.

Tex., San Antonio—Southwestern Bell Telephone Co., Harry Martyn, local mgr., 215 E. Travis St., will remodel and extend present building, F. W. Yenson, Building Supt.; Sanguinet, Staats & Hedrick, Archts., First National Bank Bldg., Fort Worth, Tex.*

Tex., Santa Anna—D. J. Johnson of Brownwood, Tex., has acquired local telephone system.

Textile Mills

Ala., Guntersville—The Appleton Co., Jackson St., Lowell, Mass., reported to have acquired option on 400 acres of land for erection of 2,000,000 cotton mill.

Ga., Whitehall—Larnell Cotton Mills, capital \$50,000, incorporated by Hugh W. White, O. W. Bowen, W. W. Crews.

Texas—C. E. McCallum, Olive Hotel, Amarillo, Tex., contemplates establishing textile mill in West Texas; has building at Farwell, Tex., and later will convert into cotton mill.

S. C., Greenville—Vardy Mills, Clifton Corley, Pres., considering increase in capital to \$275,000.

Tex., Stanford—M. F. Winfrey, 2722 Hemp-hill St., and associates of Fort Worth, Tex., interested in erection of 5000 spindle cotton mill.

Water Works

Ala., Birmingham—Birmingham Water Works, 2114 1st Ave., will extend water mains along Montevallo Road.

Ala., Tuscaloosa—Details under Land Developments.

Ala., Tuscaloosa—City votes Oct. 20 on \$250,000 bonds for extensions and improvements to waterworks system; D. B. Robertson, Pres. City Comsn.

Fla., Bradentown—City, Whitney Curry, Mayor, will lay several miles of sanitary sewers, water mains, sewer system and street improvements; R. K. VanCamp, City Engr.

Fla., Cocoa—Details under Land Developments.

Fla., Miami—Sunny Isle Water Co. let contract to W. E. Boyce & Co. to construct water purification and softening plant at Fulford; cost of first unit \$25,000.

Fla., Miami—Details under Land Developments.

Fla., Miami Beach—City voted \$125,000 bonds for extension of water mains, \$5000 for additional fire equipment, \$25,000 for sanitary department, \$7000 for streets and

sewers, \$15,000 for machine shop and storage room. Address The Mayor.

Fla., Palatka—City, Oscar Dobb, Pur. Agt. opens bids Oct. 7 for furnishing water department 1000 water meters.

Fla., Sarasota—Details under Land Developments.

Fla., Tampa—Details under Land Developments.

Fla., West Palm Beach—Details under Land Developments.

Ky., Pikeville—City, Z. A. Thompson, Mayor, receives bids Oct. 7 for construction of 750,000 gal. per day filter plant, pump station, pumps, steel tank reservoir, distribution mains, etc. The J. N. Chester Engineers, Engr., Union Bank Bldg., Pittsburgh, Pa. (See Machinery Wanted—Pumping Station, etc.)

La., Cheneyville—Board of Aldermen will receive bids Oct. 20 for water works improvements, etc., including 50,000-gal. concrete reservoir; F. J. Joseph, Const. Engr., Glenmora, La. (See Machinery Wanted—Electric Light Plant, etc.)

Md., Annapolis—Abel Wolman, Ch. Engr. State Board of Health, has plans for constructing water filtration system in Annapolis and enlarging distribution system; cost about \$100,000.*

Md., Baltimore—Board of Estimates adopted plans for laying water mains and providing house connections in Metropolitan District of Baltimore County; cost \$15,000; E. Bernard Siems, Water Engr.*

Md., Baltimore—Details under Sewer Construction.

Md., Mount Wilson—State Department of Health, Baltimore, Md., authorized construction of water, sewer and disposal plant at Mount Wilson Sanitarium; Abel Wolman, Ch. Engr. State Board of Health, 2360 Eutaw Place, Baltimore, will be in charge of construction.

Miss., Marks—Details under Electric Light and Power Plants.

Miss., Meridian—City has begun construction work on reservoir for water works, cost \$50,000. Address The Mayor.

N. C., Asheville—Details under Land Developments.

N. C., Greensboro—City authorized issuance of \$200,000 bonds for extension of water system and \$100,000 for sanitary sewerage system; P. C. Painter, City Mgr.

N. C., Lumberton—Board of Robeson County Comms., John W. Ward, Chrm., receives bids Oct. 6 for furnishing and installing water supply and sewage disposal system for County Home near Lumberton; Wilson, Berryman & Kennedy, Archts., 209 I. O. O. F. Temple, Raleigh, N. C. (See Machinery Wanted—Water System, etc.)

Okla., Braman—City will vote Oct. 3 on \$15,000 bonds for constructing electric lighting system, \$15,000 for water system, and \$25,000 for constructing sanitary sewer system. Address the Mayor.*

Okla., Clinton—City is having plans prepared by B. M. Hart 315 E. 13th St., Oklahoma City, for waterworks improvements; \$80,000 available.*

Okla., Cushing—City let contract to Benson & Farrar Construction Co., Guthrie, Okla., for construction of water system on Big Creek, sewer extensions and disposal plant; \$505,000 available; L. A. Crenshaw, Mayor.*

Okla., Morrison—H. G. Olmsted & Co., Engrs., 2230 W. 18th St., Oklahoma City, Okla., are preparing plans for complete waterworks and electrical plant.

S. C., Spartanburg—Board of Water Comms. acquired site for construction of reser-

voir to be part of the proposed \$1,350,000 water supply system for city.*

Tenn., Chattanooga—City Water Co., 10th and Market Sts., A. F. Porzellus, Mgr., will construct stand pipe on Missionary Ridge.

Tenn., Harriman—City has approved plans by Water and Light Board for filtration plant; H. L. Goodman, City Engr.*

Tex., Ralls—City will construct water works system. Address The Mayor.

Va., Mt. Jackson—City, S. A. Mottet, Mayor, invites bids for 150x150 ft. reservoir, 10 ft. deep with concrete sides and bottom. (See Machinery Wanted—Reservoir.)

Va., Portsmouth—Duke & Smith, Lafayette Bldg., will construct \$24,147 pumping station at Race Ave. and Green St.

W. Va., Weston—Weston Light, Power & Water Co., and Weston State Hospital let contract to Concrete Steel Bridge Co., 600 E. Pike St., Clarksburg, W. Va. to construct dam across West Fork River; concrete abutments, gravity dam 6 ft. above water level, with daily capacity of 40,000,000 gals water; T. J. Blair, Jr., Engr., 355 River Ave., Weston; Ludlow Valve Manufacturing Co., Troy, N. Y. has contract for 36 in. sluice gate.*

Woodworking Plants

Fla., Miami—Reed Furniture Manufacturing Co., K. C. White, Sec., E. Everglades Ave., contemplates enlarging plant, double present size.

Ky., Louisville—Pilcher Organ Co., 914 Mason St., will erect \$30,000 factory addition.

La., New Orleans—Dominique Sash & Screen Co., Inc., capital \$7500, chartered with S. A. Dominique, Pres.; Chas. Hayden, Sec. Treas.

Md., Baltimore—Reed & Fibre Products Co., John Woefel, Pres., 7 E. Pratt St., has acquired site; will erect 1-story, daylight factory containing 30,000 sq. ft.; will install additional machinery; will manufacture reed furniture, baby carriages, etc.

Miss., Hattiesburg—Overstreet Veneer Co., capital \$50,000, incorporated by J. H. Overstreet, Geo. M. Calhoun and others.

N. C., Durham—Durham Heading Co. organized with W. D. Hester, Pres.; C. C. Edwards, Sec., Fayetteville Road, has 200x400-ft. building; manufacture all kinds of barrel heads, etc.*

Va., Rocky Gap—Oak Flooring Co., Inc., capital \$10,000, incorporated with J. J. Davidson, Pres., Rocky Gap, Va.; J. B. Compton Sec., Brandon, Va.

Va., Suffolk—Herbert W. Lockwood of Easton, Md., reported to have acquired one-half interest in the Nansemond Truck Package Co., plans expansion, increasing plants output.

W. Va., Huntington—Huntington Casket Co., capital \$25,000, incorporated by Gordon B. Greer, Jones Apts, Clarksburg; Ed. R. Greer and D. D. Holtz, Huntington.

FIRE DAMAGE

Ala., Greensboro—Blunt and Clements' gin; estimated loss \$15,000.

Ala., Morris—Rogers & Son's store and 4 other buildings; total loss \$10,000.

Ark., Bearden—Bearden Mercantile Building owned by Mrs. W. E. Sanders; loss \$5000.

Ark., Fort Smith—Victory Theater on North Seventh St.; A. M. Malone, Mgr.

Ark.-Tex., Texarkana—Mrs. Harry Quarles' residence, Walnut St.; loss, including furniture, \$10,000.

Ark., Tillar—Lovette & Carnahan's lumber mill; loss \$15,000.

Fla., Wauchula—Wauchula Development Co.'s crate plant, loss \$150,000.

Ga., Concord—Warehouse of Farmers' Gin & Warehouse Co.

Ga., Fort Benning—Headquarters Building, Fort Benning. Address The Commandant.

Ga., Macon—Residences of N. A. Clay and Frank Bell, Log Cabin Blvd.

Ga., Smyrna—School building; loss \$30,000; address School Board.

Ky., Cynthiana—Poultry yards of Renaker Produce Co.; loss \$10,000.

Ky., Louisville—Building on Main St. occupied by Bourne & Bond; loss \$117,000.

Ky., Mt. Sterling—Byron D. Miller's store building on Queen St.; loss \$9000.

La., Coushatta—Warehouse of Louisiana Railway & Navigation Co.; loss \$15,000.

La., Monroe—Dairy barn of Green House Dairy owned by Edgar E. Maupin, South Monroe; loss \$22,350.

La., New Orleans—Portion of Louisiana Glass and Mirror Co.'s plant at Lafayette and Commerce Sts.; estimated loss \$5000.

Md., Hancock—Bennett Mallotte's flour mill near Needmore, loss \$20,000; S. H. Karr's barn, loss \$10,000.

Miss., Jackson—Harlan Gray's residence, Annadale, 15 miles north of Jackson in Madison County; loss about \$100,000.

Miss., Louise—Bellgrade Lumber Co.'s yard; loss not estimated.

Miss., Lucedale—Central School building near Lucedale; loss \$10,000; address George County Board of Education.

Miss., Philadelphia—Henderson Molpus Lumber Co.'s planing mill, office, commissary, houses, etc.; estimated loss \$150,000.

Mo., Bowers Mill—Bank of Bowers Mill, Gilbert-Goff Mercantile Co.'s store and F. A. Miller Lumber Co.; total loss \$50,000.

Mo., Kansas City—Three-story brick building at Third and Main Sts., owned by Watrous & Sons and Maguire-Urban Commission Co.; loss \$50,000.

N. C., Asheville—J. A. Baker's barn, Haywood Rd., West Asheville; loss \$25,000.

Okla., Drumright—Two stills of Tidal Refining Co.; loss \$15,000.

Okla., Duncan—Warehouse of J. W. Jackson; loss \$20,000.

Okla., Grove—Ed Whitty Dry Goods Co., Gibson Mercantile Co. and Delaware County Produce Co.; total loss \$40,000.

Okla., McAlester—Busby Hotel; loss \$250,000; address the Proprietor.

Okla., Oakwood—Hardware store and the Swift & Co. and Beatrice creameries; loss \$10,000.

Okla., Okemah—Central Building; loss \$25,000; address the owner.

Tenn., Erwin—School building at the Fishery, near Erwin; loss \$20,000; address Unicoi County Board of Education.

Tex., Bells—Bells Gin Co.'s cotton house; estimated loss \$10,000; Westminster Cotton gin; loss not estimated.

Tex., Dallas—Three-story building in Elm St. occupied by Peoples' Public Market; loss \$60,000.

Tex., Houston—Zindler Building; loss \$20,000.

Tex., Schulenburg—McClung Dry Goods Co. in Kessler Bldg.; loss \$15,000.

Tex., Trenton—Hill Gin Co.'s plant; estimated loss \$17,000.

Tex., Whitewright—W. H. Steadham's blacksmith shop; Whitewright Lumber Co.'s yard; warehouses of J. H. Graves & Son, W. O. Myrick and Gillet Grain Co.; total loss \$12,000.

Va., Lexington—Garage and warerooms of the Lexington Motor Co.; estimated loss \$15,000.

W. Va., Wheeling—Storage building of McGraw Motor Co., rear of Alley A and Twenty-first St.; loss \$12,000.

BUILDING NEWS

BUILDINGS PROPOSED

Association and Fraternal

Ala., Selma—Young Men's Christian Assn., H. A. Armstrong, Pres., will receive bids Oct. 15 for Spanish renaissance type building, Broad St.; cost about \$138,000, fireproof, stucco, 3 stories, 110x135 ft., tile and concrete floors, concrete foundation, tile roof, hollow and interior tile, ornamental terra cotta, ventilators, rolling partitions, wire glass; equipment, furnishings, etc., about \$15,000; drawings and specifications from Wm. Leslie Welton, Archt., American Trust & Bank Bldg., Birmingham, Ala.*

Ark., Stamps—Young Men's Christian Assn. is having plans prepared by Witt & Siebert, Archts., Texarkana, Ark.-Tex., for \$12,000 frame building; gymnasium, shower baths, swimming pool, etc.

La., New Orleans—Fraternal Order of Eagles, Al J. Buja, Pres., Manassas Bldg., will soon select architect for \$100,000 three-story lodge building.

Mo., Boonville—Boonville Lodge A. F. & A. M., Max Schmidt, Sec. and Chmn. Bldg. Comm., is having plans prepared by Heckenlively & Mark, Landers Bldg., Springfield, Mo., for \$40,000 to \$50,000 temple; 2 stories, brick.*

N. C., Greensboro—Young Men's Christian Assn. plans to erect \$350,000 to \$400,000 building.

N. C., Winston-Salem—Young Men's Christian Assn., Chas. M. Norfleet, Chmn., Bldg. Comm., has completed plans by Macklin & Raught, Winston-Salem, for 4-story and basement, Spruce St. near 4th St.; 20x60-ft. swimming pool in basement, 45x80-ft., gymnasium with 32x40-ft. auxiliary gymnasium on first floor, 100 dormitory rooms above; cost complete about \$425,000; Sherman W. Dean, Conslt. Archt., care Bldg. Bureau, International Comm., Y. M. C. A., 347 Madison Ave., New York City.*

Okla., Hobart—Masonic Lodge, A. B. Harding, Sec. Bldg. Comm., will erect brick veneer temple; 2 stories, 69x80 ft.; F. D. Ford, Archt., Cordell, Okla.

Okla., Sapulpa — Masonic Lodge, R. T. Shearer, Sec., will erect \$100,000 temple; brick and stone, 3 stories, 50x150 ft., concrete foundation, tile roof, reinforced concrete floors, tile and maple finish, metal lath, art and plate glass, steam heat; Chas. A. Popkin, Archt., Sapulpa, will have plans out about October 1.

S. C., Greenville—Young Men's Christian Assn., D. L. Norris, Pres., 1217 Pendleton St., will establish summer camp for boys and men; erect building, including assembly and dining halls; plans not made, probably rustic type; J. E. Sirrine & Co., Engrs., 309 S. Main St., Greenville.

Tex., Abilene—Parramore Post, American Legion, plans to erect memorial building.

Tex., Orange—Madison Lodge No. 126, A. F. & A. M., will erect \$60,000 temple; 3 stories, 40x100 ft., brick, stone and concrete; Ralph H. Cameron, Archt., 1116 City Nat. Bank Bldg., San Antonio, Tex.

W. Va., Bluefield—Loyal Order of Moose will erect building on site of present structure, S. Mercer St. and McCulloch Ave.

Bank and Office

Ark., Little Rock—Rector Williams reported to erect 10-story office building, 3rd and Spring Sts.; Thompson & Harding, Archts., Southern Trust Bldg., Little Rock.

D. C., Washington—Isadore Freund, 1315 7th St., N. W., will erect 11-story professional office building, Vermont Ave. and L St., N. W.; 8 offices on first floor, office suites, each with laboratory and operating rooms; 2 high-speed elevators; cost, including site, \$500,000; B. Stanley Simmons, Archt., District National Bank Bldg.; W. H. West Co., Rental Agts., 815 15th St., N. W., both Washington.

Fla., Buena Vista (Branch Miami)—A. D. H. Fossey Co., 23 N. E. 36th St., will enlarge offices.

Fla., Daytona—American Bank & Trust Co., Magnolia Ave., purchased building occupied by American Express Co. on Volusia Ave. and will remodel for banking quarters.

Fla., Miami—Bank of Coral Gables, Tel-fair Knight, Pres., will erect building.

Fla., Sarasota—Bank of Sarasota plans to erect third-story addition to bank building at Five Points.

La., New Orleans — Canal-Commercial Bank will open bids Sept. 30 for branch bank building, N. Claiborne Ave. near Orleans St.; 1 story, tile, roof and floors, structural steel, marble, steel sash, vault, ornamental iron grill-work; Jones, Roessle & Olschner, Archts., Maison Blanche Bldg.; following contractors estimating: Gervais F. Favrot, Canal Commercial Bldg., Jos. Fromherz, Title Guarantee Bldg., L. J. Woods-worth, 3301 Bank St.; J. A. Petty, Godchaux Bldg.; Geary-Oakes, Inc., Title Guarantee Bldg.; Lionel F. Favret, Louisiana Bldg.; J. M. DeFraithe, 620 State St.; Geo. J. Glover, Whitney Bldg.; O. M. Gwin Construction Co., Canal-Commercial Bldg.; Chas. Gilbert, Balter Bldg., all New Orleans.

La., New Orleans — Automobile Owners' Insurance Co., Whitney Bldg., E. E. Nec-carl, Pres., will remodel old Peoples Bank Bldg., Decatur and Iberville Sts., for offices.

Mo., Kansas City—Easyhold Truss Co., Edwin O. Koch, Pres., 709 E. 9th St., contemplates erecting brick and stone store and office building, 39th and Main Sts.; 1 to 3 stories and basement, 60x110 ft.

Okla., Tulsa—Thos. B. Slick, care J. E. Kirkpatrick, is having plans prepared by Hawk & Parr, Cotton Exchange Bldg., Oklahoma City, Okla., for electric railway terminal and office building, 4th St. and Cheyenne Ave.; first floor for passenger terminal of Oklahoma Union Rwy. Co. and other lines; offices of Slick interests above; 5 stories with foundation to carry additional stories if needed, 95x145 ft., reinforced concrete and brick, cost about \$400,000.*

Churches

Ala., Birmingham — St. John's Methodist Church, Rev. R. P. Taylor, Pastor, Vanderbilt Road, plans to erect 17-story church and apartment building, Avenue H and 20th St.; tentative plans call for 110x125-ft. structure with 40x60-ft. tower from sixth floor; swimming pool, small gymnasium, etc., in basement; chapel, parsonage, church offices and stores on first floor, apartments above; Denham, Van Keuren & Denham, Archts., Jefferson County Bank Bldg., Birmingham.

Ala., Birmingham — Comrade Bible Class, South Avondale Baptist Church, will erect building.

Ala., Florala — Presbyterian Church will erect Mission type building. Address the Pastor.

Ala., Jasper—Second Baptist Church will erect building. Address The Pastor, First Baptist Church.

Ala., Poley—Baptist Church plans to erect building. Address The Pastor.

Ala., Huntsville — Baptist Church, C. C. Johns, Chmn., Bldg. Comm., will probably start work Oct. 1 on \$65,000 building; Dr. Harvey Beauchamp, Archt., 3701 Lexington St., Dallas, Tex. Address Mr. Johns.

Ga., Atlanta—Harris Street Presbyterian Church plans to erect \$200,000 building. Address The Pastor. (Lately noted under Tenn., Chattanooga.)

Ga., Augusta—Lutheran Church plans to erect building; Scroggs & Ewing, Archts., August.

Ga., Columbus—First Presbyterian Church, Edw. W. Swift, Chmn., Bldg. Comm., is having plans prepared by T. Firth Lockwood, Murrah Bldg., Columbus, Ga., for repairing present structure and erecting transept; cost \$70,000.*

Ga., Decatur — Holy Trinity Episcopal Church, W. D. Rerris, Chmn., Bldg. Comm., will erect \$27,000 Gothic type building, Church St. and Trinity Place; brick, stone trim, accommodate 300.

La., Monroe—Presbyterian Church, Rev. Wallace Clift, Pastor, 208 Arkansas Ave., will erect \$20,000 Sunday-school annex; plans drawn.

Mo., Chillicothe—First Baptist Church, Rev. W. A. Breagle, Pastor, contemplates erecting \$80,000 building; 2 stories and basement, brick and stone trim.

Mo., St. Louis — Bethel Baptist Church, Rev. S. E. Ewing, 706 Security Bldg., St. Louis, in charge, contemplates erecting \$25,000 building; 1 story and basement, brick and stone.

Mo., St. Louis—Christ Church Cathedral, 1210 Locust St., Bishop Fredk. F. Johnson, Nat. Chmn. Memorial Comm., St. Louis, plans to inaugurate campaign October 12 for \$1,250,000 for erection and endowment of parish house as national memorial to late Bishop Daniel Sylvester Tuttle; structure to contain auditorium for public and civic meetings, gymnasium, swimming pool, small theater; cost about \$1,000,000; Jamieson & Spearl, Archts., Arcade Bldg., St. Louis.*

N. C., Bowling Rock—St. Mary's P. E. Church, care Rev. J. W. Burke, Valle Crucis, N. C., plans to enlarge building.

N. C., Hickory—St. Andrew's Lutheran Church purchased site, 10th Ave. and 3rd St., plans to erect church and parsonage; accommodate 1000; cost \$150,000. Address The Pastor.

N. C., Scotland Neck—Trinity P. E. Church, Rev. Reuben Meredith, Rector, rejected bids for church and parish house to replace burned structure and opened new bids Sept. 23; cost \$45,000.*

N. C., Wilson — Noble's Chapel Baptist Church, 10 miles west of Wilson, plans to erect Sunday school building. Address the Pastor.

S. C., Clio—Carolina Presbyterian Church is receiving bids for brick veneer building; J. H. Sams, Archt., Columbia, S. C.

S. C., Gaffney—Buford Street Methodist Church, Maj. Henry C. Moore, Chmn. Bldg. Comm., opened bids Sept. 23 (extended date) for Sunday-school annex and remodeling present structure; cost \$70,000; Casey & Fant, Archts., Anderson, S. C.*

Tenn., Memphis—Alabama Avenue Presbyterian Church, R. B. Clinton, Chmn. Bldg. Comm., 91 N. Willett St., purchased site, Claybrook St. and Poplar Ave., and plans to erect \$200,000 structure; \$27,000 Sunday school unit to be erected first.

Tex., Austin—South Austin Baptist Church, J. H. Williams, member Bldg. Comm., Box 428, advises all bids for \$50,000 2-story and basement building, Congress Ave. and E. Monroe St., were too high and no award was made; future course uncertain; Geo. A. Endress, Archt., 711 W. 23rd St., Austin.*

Tex., Del Rio—First Baptist Church will have plans by Will N. Noonan, Moore Bldg., San Antonio, Tex., ready within 2 weeks for \$50,000 brick and concrete building; 3 stories, concrete basement; accommodate 1000; roof garden, etc.*

Tex., San Antonio—Cumberland Presbyterian Church, care Y. M. C. A., Broadway and 5th St., Rev. Hough Watson, Pastor, plans to erect building.

Tex., San Antonio—Rev. S. H. C. Burgin, 234 W. Woodlawn St., Pastor Laurel Heights M. E. Church South, advises they have no intention of erecting Sunday-school plant any time soon.

Tex., Waco—Austin Avenue M. E. Church will receive bids September 27, (extended date), for brick and terra cotta building, Austin and 13th St.; cost \$200,000; 3 stories, 120x200 ft., concrete and wood floors, concrete foundation, tile roof, interior tile, ornamental terra cotta, rolling partitions, steel sash and trim, wire glass; R. H. Hunt Co., Archts., S. W. Life Bldg., Dallas, Tex. Address J. R. Milam, care Cooper Grocery Co., Waco.*

Va., Danville—Keen Street Baptist Church, Rev. Jesse R. Hite, Pastor, plans to erect \$25,000 Sunday-school building.

Va., Danville—First Presbyterian Church, Col. A. B. Carrington, Chmn. Bldg. Comm., plans to erect \$50,000 Sunday school addition in rear of church; furnishings, equipment, etc., \$10,000; architect not selected, work to start in early spring.

City and County

Ga., Columbus—Stadium—City plans to erect stadium; Walter A. Richards, City Mgr., advises that while bonds for portion of construction have been voted location has not been determined nor type of structure; believes it will be at least 90 days before there will be any definite information, at which time will give particulars.

Ga., Hinesville—Courthouse—Liberty County will vote Nov. 4 on \$50,000 courthouse bonds. Address County Commrs.

Ga., Ludowici—Courthouse and Jail—Long County voted \$40,000 courthouse and \$10,000 jail bonds. Address County Commrs.*

Ky., Ashland—Municipal Building—City will vote November 4 on \$200,000 municipal building bonds.*

La., New Orleans—Fire Station—Purchasing Div., Dept. of Public Finances, Room 24, City Hall, rejected bids for 2-story brick central fire station, Nunez, Opelousas and Teche Sts., Algiers, will call for new bids at once; plans by A. S. Montz, City Archt., Title Guarantee Bldg., New Orleans.*

La., Shreveport—Courthouse—Caddo Parish Police Jury, J. T. Bullen, Parish Engr., will invite architects to prepare tentative plans and specifications for \$1,000,000 courthouse and submit to Police Jury at October meeting.*

Md., Baltimore—Stable, Implement House—City, Howard W. Jackson, Mayor, will erect stable and implement house, N. side Eastern Ave. E. of 15th St.; 1 story, hollow tile, cost about \$18,000.

Miss., Natchez—Courthouse Improvements—Adams County Board of Supervisors is considering improving courthouse; cost \$20,000 or \$30,000.

Miss., Yazoo City—Building—Yazoo County Board of Supervisors will receive bids October 7 for construction of Sataria Flat; plans and specifications from S. S. Griffin, Chancery Clk., Yazoo City.

Mo., Greenville—Courthouse—Wayne County Court, J. A. Faulkner, Ch. Clk., reported to readvertise for new bids about Sept. 25 for \$50,000 courthouse; fireproof, 2 stories and basement, 60x100 ft., native stone, reinforced concrete floors, stone foundation, hollow and interior tile, metal doors, vaults, vault lights, ventilators, ornamental terra cotta, steel sash and trim; Martin J. Laubis, Archt., Poplar Bluff, Mo.*

Mo., Kansas City—Fire Station—City will erect \$37,400 fire station, Joy and Liberty Sts. Address Fire and Water Board.

Mo., St. Louis—Dormitory—Board of Public Service, City Hall, E. R. Kinsey, Pres., will erect \$85,000 employees' dormitory at Municipal Farms; 3 stories, 60x90 ft., brick; C. E. Christopher, Archt.; L. R. Bowen, Ch. Engr.; H. Updike, Mech. Engr., all care owner.

N. C., Charlotte—Record Room—Mecklenburg County Board of Commrs. will receive bids Oct. 6 for record room at rear of courthouse; drawings and specifications on file at office Chas. C. Hook, Archt., 2nd and Church Sts., Charlotte, and at office Board of Commrs.

S. C., Columbia—Courthouse—Richland County, John J. Earle, Chmn., Courthouse Comsn., will vote Oct. 7 on \$500,000 courthouse bonds.*

Okla., Jay—Jail—Delaware County will erect \$12,000 stone jail on courthouse square. Address County Commrs.

Tex., Corsicana—Jail—Navarro County will vote Sept. 27 at special election on proposition to erect jail. Address County Commrs.

Tex., Houston—Auditorium—City, O. F. Holcombe, Mayor, contemplates \$250,000 bond issue to repair city auditorium.*

Tex., Houston—Passenger Station—City, care Harris County Houston Ship Channel Navigation Dist., is having plans prepared in office of E. A. Tucker, Ch. Engr. Navigation Coman., for concrete and cut-stone passenger depot at South Side Turning Basin; 92x111 ft., 2 stories with 5-story and clock room tower, 24 ft. sq.; 100x391-ft. concrete transit timber pile foundation, hollow tile, metal doors, concrete floors, steel sash and trim, wire glass; also preparing plans for 100x391-ft. concrete transit shed at same location.*

Tex., San Antonio—Fire Stations—City, John W. Tobin, Mayor, Phil Wright, Fire and Police Commr., selected following architects for fire stations: Station No. 11, Matamoras and Frio Sts., Adams & Adams; Grammercy and Grant Sts., Harvey P. Smith, Nat. Bank of Commerce Bldg.; location undetermined, John M. Marriott, Frost Bldg., all San Antonio; cost \$25,000 each, brick and concrete; city will select architect for additional fire station.*

Va., Hopewell—City Hall—City will erect \$45,000 city hall; 2 stories, brick, stone trim; Fred A. Bishop, Archt., McIlwaine Bldg., Petersburg, Va. and Richmond, Va.

Va., Petersburg—City Hall—City will erect \$45,000 city hall; work to start in about 3 weeks; Fred A. Bishop, Archt., McIlwaine Bldg., Petersburg.

Va., Richmond—Field House—City, T. T. Towles, Director of Public Works, plans to erect field house at Byrd Park Athletic Field; advise Graham Construction Co., 1st and Leigh Sts., Richmond, submitted low bid, but bids too high and no award will be made yet.

W. Va., Charleston—Courthouse Addition—Kanawha County Commrs., A. E. Childress,

Pres., will receive bids Oct. 9 for construction and finishing addition to courthouse; plans and specifications from Warne, Tucker & Patteson, Archts., Masonic Temple, Charleston; heating, plumbing and wiring each separately.

Dwellings

Ala., Ensley—Robt. E. Chadwick, care Bank of Ensley, reported to erect residence, Owenton-Ensley Highlands subdivision.

Ala., Ensley—Dr. M. D. Clements reported to erect residence, Owenton-Ensley subdivision.

Ala., Ensley—Robt. A. Davis, care Holley & Davis, reported to erect residence, Owenton-Ensley Highlands subdivision.

Ala., Ensley—Saml. C. King, care Bank of Ensley, reported to erect residence, Owenton-Ensley Highlands subdivision.

Ala., Ensley—Wm. C. Maxwell, care Bank of Ensley, reported to erect residence, Owenton-Ensley Highlands subdivision.

Ala., Ensley—Irby Zeigler reported to erect residence, Owenton-Ensley subdivision.

Ala., Huntsville—Lincoln Mills of Alabama are reported to erect 75 to 100 cottages near Oakwood Ave.

Ark., Little Rock—C. L. Harlin, 412 Park St., will erect \$10,000 two-story residence, Prospect Terrace.

Ark., Little Rock—W. H. Lamberson, 211 W. 5th St., will erect residence, 3912 W. 12th St.

Fla., Bradentown—Mayor Whitney Curry is interested in erection of dwellings; 101 citizens have already agreed to erect dwellings.

Fla., Daytona Beach—Francis M. Langdon will erect \$10,500 residence, Bostwick Ave.; 7 rooms; John M. Rogers, Contr., Daytona Beach.

Fla., Miami—L. T. Cooper, Professional Bldg., will erect 25 dwellings, El Portel; cost \$7000 to \$15,000 each.

Fla., Miami—Chas. A. Mills, care Bank of Bay Biscayne Bldg., will open bids about Oct. 1 for 10 concrete block dwellings; 2 stories, about 30x45 ft., oak floors, concrete foundation, tile and built-up roofs; cost \$8500 each without equipment; Chas. P. Nieder, Archt., Calumet Bldg., Miami.

Fla., Miami—R. W. Ralston will erect \$30,000 residence, Golden Beach; 2 stories; August Geiger, Archt., both Calumet Bldg., Miami.

Fla., Orlando—F. S. Barribal will erect Spanish type, 2-family residence, 19 N. Sumnerlin St.; buff stucco and tile.

Fla., Orlando—Mrs. Rose L. Lees will erect stucco tile residence, E. Central Ave.; 2 stories; Murray S. King, Archt., 24 W. Washington St., Orlando.

Fla., Sarasota—John Baldwin, 39 Inman Circle, Atlanta, Ga., will erect residence.

Fla., Sarasota—C. H. Stuart, Newark, N. J., will erect residence, Siesta Point.

Fla., St. Petersburg—T. B. Hanchey, E-656 Fifteenth Ave., N., will erect \$10,000 residence and garage, 16th Ave., North, near Beach Drive; 2 stories, 8 rooms, frame.

Fla., Tampa—J. A. Harrison, Bloomington, Ill., and Chicago, Ill., plans to erect 12 dwellings in Rio Vista.

Fla., Tampa—I. L. Lesserman will erect \$14,000 building, 1806 Morrison St.

Fla., Vero—Herbert Lee, Perrine, Fla., plans to erect residence, 24th and Cherokee Sts.

Ga., Atlanta—Matt Henderson, 161 Ivy St., will erect \$10,000 two-story brick veneer residence, Huntingdon Rd.

- Ga., Augusta—Scroggs & Ewing, Archts., Lamar Bldg., Augusta, is preparing tentative plans for number of dwellings.
- Ga., Macon—R. W. Johnston will erect \$15,000 residence; stucco, tile roof; Smith & Downing, Archts., Bona Allen Bldg., Atlanta, Ga.
- Ky., Franklin—E. L. Norwood will erect \$10,000 two-story brick veneer residence; C. K. Colley & Co., Archts., 4th and 1st Bldg., Nashville, Tenn.
- Ky., Louisville—H. M. Duncan will erect 5 dwellings, 514-36-38-42 Camden Ave. and 538 Whitney Ave.; cost \$2500 each.
- Ky., Louisville—Tillie Frank will erect 3 dwellings, 105-08-09 Shawnee Terrace; cost \$5000 each.
- Ky., Louisville—E. G. Reiser will erect \$20,000 duplex residence, 1921 Avery Court.
- La., New Orleans—S. Hovath, 336 Baronne St., will erect 30 double cottages, Rocheblave, St. Anthony and Annette Sts.; cost \$2000 each, 2 rooms, bath and kitchenette on each side; ground broken.
- La., New Orleans—Tasker Watts, St. Louis and Rocheblave Sts., contemplates erecting double cottage, Andry and Eganla Sts.
- La., New Orleans—A. Weinfeld will erect \$16,000 single cottage, 166 Audubon Blvd.; tile roof; Morgan D. E. Hite, Archt., 1416 Hibernia Bank Bldg., New Orleans.
- Md., Baltimore—Plaza Construction Co. will erect 6 brick dwellings, 2201-11 W. Lafayette Ave.; 2 stories, about 16x30x20 ft.; total cost \$25,000.
- Md., Baltimore—Jas. W. Muller will erect 3 frame dwellings, E. side Aragon Ave. near Oakford Ave.; 2 stories, 24x25x35 ft.; total cost \$10,000.
- La., New Orleans—L. J. Faulkner will erect Flagg type residence, Metairie County Gardens tract.
- Md., Baltimore—Mannie Berg, 1349 W. North Ave., will erect residence, Garrison Ave. and Dorchester Rd.
- Md., Baltimore—John W. Styne, 4401 Liberty Heights Ave., will erect \$10,000 residence and garage; 2 stories, 29x51x30 ft.
- Md., Pikesville (Branch Baltimore)—Clarance Crusey, Church Lane, will erect residence.
- Md., Ruxton (Branch Baltimore)—J. M. Robbins, 2809 N. Calvert St., Baltimore, plans to erect residence, Locust Ave.
- Miss., Brooksville—J. M. Calmes will erect bungalow, E. Main St.
- Miss., Brooksville—Mrs. Carrie Carpenter will erect bungalow, Oliver Extension Drive.
- Miss., Brooksville—John Wilkins will erect residence, N. Oliver St.
- Mo., Clayton (Ind. Branch St. Louis)—Edw. O. Beyers, 761 Heman Ave., University City, Mo., will erect \$15,000 residence and garage, Moorland subdivision; 2½ stories and basement, 38x30 ft., brick; O. J. Popp, Archt., Odd Fellows Bldg., St. Louis.
- Mo., Clayton—M. W. Strickler, care J. W. Leigh, Archt., Ry. Exchange Bldg., St. Louis, Mo., will erect \$22,000 residence and garage, Ellenwood Ave.; 2 stories, 30x42 ft., brick.
- Mo., Independence—Martha A. Jackson will erect residence, N. Noland St.
- Mo., Independence—A. S. Lockard will erect residence, 321 E. Kansas City.
- Mo., Kansas City—A. W. Calkins, Pres. Kansas City Pump Co., 1314 W. 10th St., plans to erect 2 brick or frame dwellings, Summit St. and Waverly Way; 2 stories and basement, cost \$8000 each.
- Mo., Kansas City—J. C. Gallagher, Sec. Treas. Faxon Gallagher Drug Co., 8th and Broadway, will erect frame residence, Stratford Rd. and High Drive; 2 stories and basement, 25x60 ft.; C. E. Shapard, Archt., 412 Huntzinger Bldg., Kansas City.
- Mo., Kansas City—F. L. Maines, 924½ Baltimore Ave., contemplates erecting \$15,000 residence, Brookwood Rd.; brick, frame and stucco, 2 stories and basement.
- Mo., Kansas City—F. C. Mutter, 18th St. and Grand Ave., will erect \$10,000 residence, 2 stories and basement, frame; G. W. Swehla, Archt., Westport Bank Bldg., Kansas City.
- Mo., Kansas City—Mrs. Margaret Abell will erect residence, 1475 E. 66th St.
- Mo., Kansas City—Mrs. C. O. Austin, 2425 Bellefontaine St., will erect residence, 2411 E. 69th St.
- Mo., Kansas City—Sam'l. Rapschutz will erect residence, 6128 Locust St.
- Mo., Kansas City—F. W. Tamblyn, 3620 Walnut St., will erect residence, 2420 E. 51st St.
- Mo., Kansas City—A. F. Coughenour, 7310 Park St., will erect residence, 6825 The Paseo.
- Mo., Kansas City—H. H. Harris, 5632 Charlotte St., will erect dwellings, 6427-31 Wyandotte St.; total cost \$14,000.
- Mo., Kansas City—L. L. McQuaid, 103 S. Porter St., will erect residence, 5505 Crestwood St.
- Mo., Kansas City—Paul H. Pugsley, 1709 E. 55th St., will erect residence, 12 E. 62nd Terrace.
- Mo., Kansas City—Rutledge Building Co. will erect 3 dwelling, 7112-17-21 Washington St.; total cost \$10,000.
- Mo., St. Joseph—M. G. Erffmeyer will erect residence, 2818 Duncan St.
- Mo., St. Joseph—John Goerke, 2805 Ashland St., will erect frame residence, Miller Ave. near 30th St.
- Mo., St. Joseph—C. H. Hellums, Contr., 718 Messanie St., will erect residence, Sacramento St. near 35th St.
- Mo., St. Joseph—Robt. W. Hook will erect frame residence, 110 W. Center St.
- Mo., St. Louis—Harry Hilbeman, 4438 Arco Ave., will erect \$20,000 residence, 1135 S. Kingshighway; 2 stories, 27x42 ft.; Knehans. Gieseler & Meles, Archts., De Menil Bldg., St. Louis.
- Mo., Springfield—J. E. Hill will erect 2 dwellings, 400 block W. Pine St.
- Mo., Springfield—W. H. Hutler, 774 E. Elm St., will erect residence, Madison and Market Sts.
- Mo., Springfield—Dr. H. F. Knabb, 500½ E. Commercial St., will erect \$10,000 residence, 1316 Washington St.; 2 stories and basement, brick and hollow tile; Heckenlively & Mark, Archts., 642 Landers Bldg., Springfield.
- Mo., University City (Station St. Louis)—W. Brantmer Temm, 508 N. Grand Blvd., will erect \$16,000 residence and garage, 7134 Kingsbury Place; 2 stories and basement, 32x40 ft., brick, Bedford stone trim; Henry P. Hess, Archt., 1237 N. Taylor Ave., both St. Louis.
- N. C., Shelby—Wm. Lineberger will erect \$30,000 residence, Belvedere Heights; 2 stories, 36x65 ft., brick veneer and stone, glazed tile roof, oak and concrete boars hollow tile, vapor system of heat; M. R. Marsh, Archt., 224 Lafta Arcade, Charlotte, N. C., advises plans are out for bids; E. S. Draper, Landscape Archt., Charlotte.*
- N. C., Thomasville—Zeb V. Crutchfield will erect residence, Main and Loftin Sts.; 2 stories, 7 rooms, brick veneer.
- Okla., Fairfax—Alex Revard will erect \$10,000 residence, 3600 block S. 11th St.
- Okla., Tulsa—A. S. Loffland will erect \$60,000 residence; frame, stone, tile and stucco, 2 stories and basement, 60x60 ft.; Lawrence E. Blue, Archt., 209 E. 18th St., Tulsa.
- Okla., Tulsa—C. B. Walker, 1309 S. Boston Ave., will erect \$25,000 residence; stone and stucco, 3 stories and basement, 38x60 ft., metal ceiling; Lawrence E. Blue, Archt., 209 E. 18th St., Tulsa.
- S. C., Aiken—John F. Williams will erect brick veneer residence; Scroggs & Ewing, Archts., Lamar Bldg., Augusta, Ga.
- S. C., Bamberg—J. C. Kearse will receive bids Oct. 1 for Spanish type residence; 2 stories, brick veneer, tile roof; Lafaye & Lafaye, Archts., Columbia, S. C.*
- S. C., Barnwell—Ralph Smith will erect 2-story residence; hollow tile and stucco, thatched roof; J. H. Sams, Archt., Columbia, S. C.*
- S. C., Chester—W. T. McCanless will erect residence; A. D. Gilchrist, Archt., Rock Hill, S. C.; bids opened September 12.
- S. C., Columbia—A. Coke Summers will erect residence; J. H. Sams, Archt., Columbia.
- S. C., Sumter—Geo. D. Levy will receive bids September 30 for Spanish type residence; Lafaye & Lafaye, Archts., Columbia, S. C.*
- Tenn., Memphis—Clinton Building Co., Schmitar Bldg., will erect \$10,000 dwelling, 661 East Drive; 10 rooms, brick veneer; heating \$1000.
- Tenn., Memphis—Dr. L. H. Chapman, 1666 Glenview St., will erect \$15,000 residence, Longview Heights near Central Ave.; English type, brick, composition roof, tile porch, terraces, reception hall and kitchen; room for X-ray and radio; J. J. Broadwell, Archt., Cotton Exchange Bldg., Memphis.
- Tex., Austin—Mrs. Nella T. Evans will erect \$10,000 residence, College Court Addition; shingle roof, edge grain pine floors, hot air heat; Edwin C. Kreisle, Archt., 803 Scarbrough Bldg., Austin.
- Tex., Dallas—B. C. Arnold will erect 26 four-room houses, Roberts St.; total cost \$20,800.
- Tex., Dallas—C. B. Gardner will remodel building, 1712 Pacific St.; cost \$12,000.
- Tex., Dallas—J. A. Helskell, 1115 Hampton Rd., will erect 3 frame cottages, 2415-38-10 Lisbon St.; 5 rooms; total cost \$11,500.
- Tex., Fort Worth—L. H. McKee, 1501 Cooper St., will erect \$90,000 residence, Arlington Heights.
- Tex., Houston—W. N. Forbes, 410 Hathaway St. will erect \$10,000 duplex residence; 635 Kipling St.; 6 rooms, brick veneer.
- Tex., San Antonio—T. J. Davis, 400 Garza St., contemplates erecting frame residence, Dawson St. near Gevers St.
- Tex., San Antonio—J. A. Flack, 521 W. Craig St., is having plans prepared by Beverly W. Spillman, Alamo Bank Bldg., San Antonio, for \$15,000 brick residence, Woodlawn Ave.*
- Tex., San Antonio—Mrs. Camille F. Hartman, 205 Patterson Ave., will erect \$10,000 residence, Katherine Court, Country Club Heights; 2 stories, 8 rooms.
- Tex., San Antonio—Mrs. Emil Kelly, 519 Mistletoe Ave., will erect 8-room frame residence, McCullough and Hollywood Sts., Monte Vista addition.
- Tex., San Antonio—Sacred Heart R. C. Church, Rev. M. S. Chataigon, Pastor, will erect \$25,000 residence; brick and stucco, 2 stories, 50x60 ft., tile roof, oak floors, plaster walls, tile baths; R. R. Rapp, Archt., American National Insurance Bldg., Galveston, Tex., will probably take bids after Oct. 15.

Tex., San Antonio—Will T. Scott, 104 Magnolia Drive, contemplates erecting \$10,000 residence; 6 rooms, brick and stucco.

Va., Bluefield—M. Banister Slaughter, care Twin City National Bank, will erect residence.

Va., Fredericksburg—H. A. Whitbeck, Fredricksburg, purchased estate on King's Highway in Stafford County overlooking Rappahannock River and will remodel and enlarge residence.

Government and State

Fla., Stuart—Postoffice—E. A. Fuge, Pres. Bank of Stuart, will erect \$50,000 Italian type postoffice Bldg., Osceola and Seminole Aves.; 1 story, 190x145 ft., tile and stucco, 11 rooms; Pfeiffer & O'Reilly, Archts., Miami, Fla.

Hospitals, Sanitariums, Etc.

D. C., Washington—National Homeopathic Hospital, Dr. J. H. Branson, Pres., has low bid from Schneider-Spleidt Co., 1416 F St. N. W., for brick addition to hospital, 2nd and N Sts. N. W.; 3 stories, 35x60 ft.; Delos H. Smith, Archt., 1701 I St. N. W., both Washington.*

Fla., Jacksonville—Duval County Tuberculosis Assn., 507 Dyal-Upchurch Bldg., plans to erect convalescent home for crippled children; advises title in litigation and no work being done at present; will furnish additional information later; Roy Benjamin, Archt., Bisbee Bldg., Jacksonville.*

Fla., West Palm Beach—Victor A. Searles, Wilson Mizner, Mabel Searles, all Palm Beach, Fla.; Porte F. Quinn and Helen E. Quinn, both West Palm Beach, plan to incorporate The Charlotte Irene Searles Memorial Free Hospital Assn. with Victor A. Searles as president, for purpose of erecting memorial mausoleum and \$100,000 charity hospital on tract from Dixie Highway to Lake Worth; park for convalescents between the two structures; cost of development about \$1,000,000.

Ga., Atlanta—City, W. P. Price, Purchasing Agt., will receive bids September 29 for contagious disease hospital as annex to Grady Hospital; separate bids on heating, plumbing and electric wiring; 4 stories; cost \$150,000; plans and specifications and instructions to bidders from Hentz, Reid & Adler, 1330 Candler Bldg., Atlanta.*

Mo., Carthage—Carthage Hospital Assn., S. McReynolds, Pres. Board of Directors, will erect \$150,000 addition to building; 2 stories, probably brick, stone and concrete; Holt, Price & Barnes, Archts., 800 Davidson Bldg., Kansas City, Mo.; Percy K. Simpson, Asso. Archt., 323 S. Main St., Carthage.

Okla., Tulsa—Tulsa Hospital contemplates remodeling building.

Tex., Brenham—Chamber of Commerce is interested in erection of county hospital; B. F. Teague, Geo. Neu, and others, members, Hospital Comm.

Tex., Corsicana—State Board of Control, S. B. Cowell, Chmn., Capital, Austin, Tex., is considering erection of \$25,000 babies' hospital at State Orphans' Home, Odie Minatra, Supt.

Tex., Denton—City Federation of Women's Clubs are interested in erection of hospital; will request \$100,000 bond election.

Tex., Houston—City, O. F. Holcombe, Mayor, and Harris County have plan by W. A. Dowdy, City Archt., for \$30,000 nurses' home and \$25,000 isolation ward at Jefferson Davis Hospital nearly completed; Mr. Dowdy is preparing plans for \$12,000 pathological and venereal disease clinic and \$8000 morgue and has been authorized to advertise for bids on general hospital equipment, including operat-

ing room fixtures and instruments, medicine cabinets, beds, linens, miscellaneous furniture and laboratory equipment.*

Tex., Paris—Lamar County will vote Oct. 4 on \$125,000 hospital bonds.*

Hotels and Apartments

D. C., Washington—Howard Etchinson, 1734 L St., N. W., is taking bids on separate contracts for erection of \$300,000, 11-story, 90x84-ft., limestone, brick and reinforced concrete New Lincoln hotel building, 10th and H Sts., N. W.; Stern & Tomlinson, Archts., Continental Trust Bldg., 14th and H Sts., N. W., Washington.*

D. C., Washington—F. E. Yilek, care Archt., contemplates erection of \$25,000, 3-story and basement, 28x60-ft., brick, 2-apartment building, 8th near Randolph Sts.; M. F. Moore, Archt., Colorado Bldg., 14th and G Sts., Washington.

Fla., Green Cove Springs—L. E. di Ghilini of the Clerkes Pharmacy has purchased White House Hotel and contemplates extensive improvements.

Fla., Miami—Julian du Pont will erect \$100,000, 110x50 ft., Italian type du Pont Apartments at N. E. Second Ave. and 23rd St.; business rooms on first floor with 24 apartments and 4 hotel rooms on 2 upper floors; across front will be cut stone colonnade; Robert A. Taylor, Archt., 34 N. Bay Shore Drive, Miami.

Fla., Miami—Max Romain will erect \$10,000, cement block, 4-family apartment building on N. W. Fourth Ave.

Fla., Miami—Edward Ettel, 830 S. W. 9th Ave., will erect \$20,000, 8-family, 2-story, 38x72 ft. cement block apartment house, 1325 S. W. Seventh St.

Fla., Miami—M. O. Gintz will erect \$15,400, 2-story, cement block, 4-family apartment building, 812 S. W. First St.

Fla., Miami—M. F. H. Koch of Miami closed contract with group of Northern capitalists, with headquarters in New York, for erection of hotel on North Bay Shore Drive near N. E. Third St. and extending through to N. E. Third Ave., to cost about \$1,600,000; 100x180 ft.; co-operating attorneys are Swearingen, Marsh & Rosenthal, and co-operating Archt. is Chas. P. Nieder, both Miami; plan to build second hotel at Miami Beach with completion of Miami hotel.

Fla., Miami—Mrs. Sue B. Snyder, 129 N. W. 8th St., contemplates erection of 3-story, 38x80 ft., reinforced concrete finished in stucco, 36-room hotel, 135 N. W. Second St.

Fla., Miami—W. G. Davis will erect \$19,000, 2-story, 12-family apartment house at N. E. 35th Ter.

Fla., Miami—The Hotel McAllister, Inc., owner of McAllister Hotel at E. Flagler St. and N. Bay Shore Drive, has purchased adjoining property on E. Flagler St. as site for 10-story addition; plans lobbies on both Flagler St. front and N. E. Third Ave. front, enlarge dining room, build new kitchen, install 5 extra elevators, add 200 guest rooms; address George W. Langford, Treas.

Fla., Miami—J. L. Sailors announced plans for expending \$30,000 on improvements to Gralyn Hotel; plans include refrigerating system, high-speed elevator, redecorating of principal suites and lobby; August Gelger, Archt., Calumet Bldg., Miami.

Fla., Tampa—Morgan L. Wynne of Wynne-Claughton Realty Co. of Atlanta, Ga., outlined preliminary plans for erection of 10-story hotel.

Fla., Wawahitchka—W. R. McDonald has purchased property for erection of 3 store buildings and 20-room hotel.

La., New Orleans—Nathan Kohlman, Archt., Godchaux Bldg., is calling for subcontract bids for alterations to building at St. Charles and Poydras Sts., for Blitmore Realty Co.; first floor for stores and 2 upper floors hotel rooms.

Miss., Yazoo City—Directors of Yazoo City Hotel Co. will open bids Sept. 30 (extended date) for erection of \$100,000 hotel building; C. H. Lindsley, Archt., 50-53 Kress Bldg., Jackson, Miss. (Recently reported to open bids Sept. 25.)*

Mo., Clayton (Ind. Sta. St. Louis)—John J. Gallagher, 4218 W. Pine St., will erect \$10,500, brick flat building, lot 21, block 11, Westmoor Addition No. 2.

Mo., Kansas City—Carl L. Bliss of the Bliss Building Co., New York Life Bldg., will revamp and remodel building at 11th and Pennsylvania Sts. into hotel.

Mo., Springfield—Mrs. Gertrude Decker, Lorraine Apt., is taking bids for erection of 2-story and basement, 42x56 ft., brick apartment building on Cherry St.; G. F. Reed, Archt., 423 Woodruff Bldg., Springfield.

N. C., Hendersonville—Jake Wells and K. G. Morris have purchased Carolina-Terrace Hotel and contemplates expending \$100,000 for improvements.

N. C., Kinston—Harvey C. Hines, Chmn. of Hotel Committee, advises that site will be selected and architect retained before Oct. 1 for proposed 6 or 8-story hotel; Chamber of Commerce promoting.*

Tenn., Knoxville—John Rogers, 713 Market St., will erect \$30,000, 2-story apartment house, 1721 W. Cumberland Ave.

Tex., Corpus Christi—J. C. Clarkson will erect \$11,000 apartment building on Third St.

Tex., Corpus Christi—Cecl Heath, 502 Buford St., will construct \$11,000 apartment building on Liberty St.

Tex., Dallas—H. C. Headington, 4714 Gas-ton St., will erect \$15,000, 24-room, brick veneer, 8-apartment building, 5803 Tremont St.

Tex., Denton—Lawrence Black has plans by M. B. Whitlock, Denton, and expects work to start at once on \$35,000, brick, 106x84 ft. hotel on City Hotel lot on East Hickory St.; to contain 44 guest rooms, dining room, hotel parlor, barber shop and sample rooms; half of rooms connected with private baths; all guests will have access to shower baths.

Tex., Hearne—Misses Smith have purchased Masonic Lodge building and will erect apartment building on site.

Tex., Kittle—Geo. W. West has plans in progress by Will N. Noonan, Moore Bldg., San Antonio, for erection of 9-guest room, frame hotel and garage.

Tex., Plainview—A. E. Boyd and R. H. Knoohulzen expect work to start in 2 weeks on 2-story, brick and tile, 14-apartment building on Broadway.

Miscellaneous

Fla., Bradentown—Clubhouse—Palma Sola Park Country Club will have plans in 30 days by J. H. Johnson, Bradentown, for erection of \$50,000, Spanish type, 117x121 ft., hollow tile and stucco clubhouse, on 18-hole golf course under construction under supervision of Donald J. Ross, Southern Pine, N. C., on south side Manatee Ave.; stone and tile roof, swimming pool 20x47 ft. at rear of building; lobby 30x43 ft., lounge room 20x42 ft., waiting room 16x16 ft., refreshment room 15x28 ft., dining room 30x60 ft., ladies' parlor 16 x22 ft., smoking room 16x18 ft., locker room for men to contain 250 lockers, locker room for ladies to have 100 lockers, lavatories and showers for men and women; address E. P. Green, member Building Committee.

Fla., Green Cove Springs—Board of Moosehaven Regents, Rodney H. Brandon, Sec.-Treas., has plans under way for proposed home for aged members of Loyal Order of Moose.

Fla., Hallandale—Casino—Olof Zetterlund has plans in progress by Pfeiffer & O'Reilly, Lemmon City, for erection of \$30,000, 2-story, concrete block stucco, 89x53 ft., Moorish type casino and bath-house at Hallandale Beach; first floor will have office, check room, kitchen, dining room and bath house with 50 dressing rooms; dining room to serve as dancing pavilion; second floor will have real estate office and hotel rooms.

Fla., Sarasota—Andrew McAnsh contemplates erection of beach pavilion at Sarasota Beach.

Fla., Sarasota—Fair Buildings—Sarasota County Fair Assn. contemplates enlargement of grandstand and exhibition buildings.

Fla., Tallahassee—Lodge—Tamlami Trail Assn., Fort Myers, contemplates erection of Seminole Indian Lodge.

Ky., Louisville—Beckham Overstreet, Inter-Southern Life Bldg., purchased lot at 816 W. Broadway and contemplates erection of 2 buildings.

Ky., Louisville—L. L. Keher, 132 W. Market St., is razing Elks old home on Walnut St. and will replace with 2-story brick building to cost \$60,000; O. P. Reuter, Archt., Louisville.

Md., Annapolis—L. L. Clark, Calvert Bldg., Baltimore, has purchased Horn Point Beach, consisting of about 17 acres, near Annapolis, and contemplates erection of residence, several small buildings, improvements to present buildings, for hotel purposes.

Md., Baltimore—Joseph Nechan kin, 816 E. Fayette St., will erect \$10,000, 1-story, brick, 30x153-ft. building, 1300 Guilford Ave., after plans by S. Russell, Archt., 11 E. Lexington St., Baltimore.

N. C., Charlotte—Orphanage—Thompson Orphanage, Rt. Rev. E. A. Penick, Chmn. Executive Comm., will have plans out for bids Oct. 20 by M. R. Marsh, 224 Latta Arcade, Charlotte, for erection of 2 dormitories to cost \$25,000 each and \$7000 laundry building; dormitories 42x57 ft., brick veneer, slate roofs, oak and maple floors; laundry 30x80 ft., brick, built-up roof, concrete floors; steam heat from central plant, hardwood floors, interior tile, ventilators, steel sash and trim, wire glass.*

N. C., Winston-Salem—Home—Methodist Children's Home has received \$25,000 gift for erection of Baby cottage; will open bids this week for erection of 2-story, brick, boys' dormitory after plans by Northup & O'Brien, Starbuck Bldg., Winston-Salem.*

Tex., Athens—Clubhouse—Hollywood Country Club contemplates erection of \$10,000 clubhouse; H. D. Mitchell, executive mgr.

Tex., Fort Worth—Orphanage—Dr. Clinton S. Lockhart of Texas Christian University announced plans for \$1,000,000 orphanage to accommodate 200 children, to be erected as memorial; names of donors not announced.

Tex., Greenville—Stadium—Officials of Hunt County Fair & Amusement Assn. contemplate erection of athletic stadium with seating accommodations for 2040 people.

Tex., Waco—Home—Board of Trustees Methodist Orphans' Home, Dr. J. W. Torbett, Marlin, Chmn., has plans by Milton W. Scott, 412½ Franklin Ave., Waco, for erection of \$20,000 2-story fireproof cottage.*

Railway Stations, Sheds, Etc.

Fla., Kelsey City—Wm. Manly King, Archt., West Palm Beach, is preparing plans for erec-

tion of \$20,000, Spanish design depot of Florida East Coast Railway Co.; N. H. Rodenbaugh, Ch. Engr., St. Augustine.

Tex., Dallas—Houston & Texas Central Railway, J. H. Walsh, Ch. Engr., Austin, contemplates erection of freight house and office building near Central Ave. and Williams St.

Schools

Ark., Little Rock—School Board authorized H. Ray Burks, Southern Trust Bldg., Little Rock, to prepare plans for erection of school building on High School grounds; will include 18 classrooms, gymnasium with floor 79x60 ft.

D. C., Washington—District Commissioners, Daniel E. Garges, Sec., approved purchase of land to be used as addition to Garnett-Patterson School, Tenth and U Sts.

Fla., Miami—Miami School District No. 2 voted \$200,000 bonds; provides \$40,000 for Geo. E. Merrick for reimbursement on building of first unit of Coral Gables School; \$60,000 for colored school to replace Jackson frame building; \$60,000 for addition to Miami Beach school and purchase of additional grounds; \$30,000 for new school sites; \$10,000 for repairs to present buildings.

Fla., Orlando—School Board contemplates erection of high school building.

Fla., Tallahassee—State Board of Control, Hon. P. K. Yonge, Chmn., Capitol Bldg., authorized expenditure of \$23,534 for new buildings and equipment at Florida State College for Women.

Fla., West Palm Beach—Palm Beach County Board of Public Instruction will call election Oct. 21 in School District No. 1 to vote \$50,000 school bonds.

Ga., Atlanta—Dr. J. A. Sharp, Pres. of Young Harris College, outlined plans for experimental laboratory for science department and athletic department; Alumni and Former Student Assn. is sponsoring.

Ga., Columbus—School Board, T. Hicks Fort, Pres., selected Hickman & Martin, Swift Bldg., Columbus, as Asso. Archts and will soon select Archt. for erection of proposed high school building; site not selected.*

Ga., Flowery Branch—Hall County Board of Education, Gainesville, has plans by Wm. J. J. Chase, 140 Peachtree St., Atlanta, Ga., for erection of \$25,000 brick veneer school building.

Ga., Rome—City voted tax levy for erection of unit to high school building.

Ga., Swainsboro—School Trustees, J. A. Lowery, Supt., contemplates erection of school building.

Ky., Ashland—School Board, John Woods, Pres., contemplates \$300,000 bond election for repairs, additions, equipment, improvements and new buildings.

Ky., Louisville—Fred Erhart, Archt., Norton Bldg., is taking bids on separate contracts for erection of \$75,000, 2-story and basement, 48x100x54 ft., brick recreation and auditorium building at 3115 Lexington Road, for Academy of the Sacred Heart, Mother Theodore in charge; Jacob Stengel, 2400 Grinstead Drive, Louisville, has contract for foundation.*

Ky., Louisville—Louisburg College, A. W. Mohn, Pres., has started campaign for \$500,000 for new buildings and equipment.

Ky., Morehead—Morehead State Normal School Board of Regents, McHenry Rhoads, Chmn., will receive bids until Oct. 9 at office Supt. of Public Instruction, Capitol, Frankfort, Ky., for erection of administration building; plans and specifications may be ob-

tained from Joseph & Joseph, Archts., Francis Bldg., Louisville, Ky.*

Ky., Pikeville—Pikeville College, Rev. Jas. F. Record, Pres., rejected all bids for erection of \$90,000, 3-story and basement, 100x100-ft. brick administration building, Derriana Heights; will open new bids about Sept. 29; Louis C. Brosie, Archt., Morewood Bldg., Pittsburgh, Pa.*

La., LaFayette—Sigma Phi Alpha has plans by Wm. T. Nolan, Canal-Commercial Bldg., New Orleans, for erection of \$15,000, 2-story, frame fraternity house; will contain dining room, living and billiard rooms, matrons' department, study, laundry, kitchen and heater room with 9 bedrooms and baths.

La., Marksville—Avoyelles Parish School Board will open bids Oct. 7 for erection of \$20,000, 1-story, frame Junior High School after plans by Wm. T. Nolan, Archt., Canal-Commercial Bldg., New Orleans.

Md., Baltimore—Phi Alpha Fraternity has purchased 4-story residence at 2225 Eutaw Place and contemplates extensive improvements; contains 15 rooms and 2 baths.

Md., Cumberland—Alleghany County Board of Education, Ferman J. Pugh, Pres., 105 S. Center St., rejected all bids for erection of 16-room addition to Pennsylvania Avenue school; Wright Butler, Archt., Cumberland.*

Md., Woodstock—Woodstock College contemplates erection of 2-story, 50x104 ft., granite addition to building; Emile G. Perrot, Archt., 1211 Arch St., Philadelphia, Pa., will take bids about Oct. 1.

Miss., Enterprise—Board of Trustees contemplate erection of \$50,000 brick school building.

Mo., Marshall—State of Missouri has released appropriation of \$160,000 for erection of 2 buildings at Missouri Colony for the Feeble Minded; capacity of 104 beds each.

Mo., St. Louis—Jamieson & Spearl, Archts., Arcade Bldg., advise that bids are likely to be called for Sept. 29 for erection of No. 2, 3 and 4 fraternity houses at Washington University; each \$40,000, 2½ stories, 44x55 ft., brick and stone.*

N. C., Asheville—State Board of Control will erect \$22,000, 3-story dormitory at State Normal School.

N. C., Ayden—Marion B. Prescott, Pres. of Free Will Baptist Seminary, contemplates completion of administration building and erection of 2 dormitories.

N. C., Charlotte—School Board has sketches in progress by M. R. Marsh, 224 Latta Arcade, Charlotte, for erection of \$96,000, reinforced concrete school building; 58x180 ft., built-up roof, vapor heating plant, concrete, terrazzo and maple floors, hollow tile, interior tile, metal doors, steel sash and trim, wire glass.

N. C., Charlotte—School Board has plans in progress by Lockwood, Greene & Co., Piedmont Bldg., Charlotte, for erection of \$225,000, 3-story, concrete frame, brick veneer 270x75 ft. Piedmont Junior High School; wood floors, concrete foundation, tar and gravel roof, hollow tile, interior tile, metal doors, ornamental terra cotta, ventilators, vacuum system heating.*

N. C., Spindale—School Board, S. E. Elmore, Chmn., announced plans for converting Spindale store into auditorium and addition of wing.

N. C., Woodfin (R. Sta. Asheville)—Buncombe County Board of Education, Frank L. Wells, Supt., Asheville, opens bids Sept. 25 for erection of 8-room, brick school building with auditorium; T. E. Davis, Archt., 20½ Spruce St., Asheville.

S. C., Cayce—Cayce School District con-

templates \$20,000 bond issue for erection of school building and other improvements; address G. W. Nichols, Supt., New Brookland.

S. C., Williamston—Committee of Trustees, G. W. Poore, Williamston, R. F. D., will open bids Sept. 27 for erection of 3-room school building for Beaverdam School District No. 56; blueprints and specifications may be seen at office Supt. of Education, Anderson, or by seeing Mr. Poore.

Tenn., Martin—Board of Education has plans by R. A. Heavener, 502 Peoples' Bank Bldg., Jackson, Tenn., and opened bids for erection of \$50,000 brick school building; plaster, composition built-up roof, steam heat.

Tex., Alice—Alice Independent School District voted \$75,000 bonds for erecting 2-story, brick and concrete school building; address W. L. Burton, Sec. Board of Education.

Tex., Austin—State Board of Control, S. B. Cowell, Chmn., will take bids in few days for erection of \$45,000, fireproof, reinforced concrete frame, brick and hollow tile walls Industrial Building at State School for Feeble Minded after plans by H. F. Kuehne, 824 Littlefield Bldg., Austin; composition roof, metal sash, heating, plumbing and electric wiring.*

Tex., Cameron—DeWitt & Lemmon, Archts., Southwest Life Bldg., Dallas, will complete plans Oct. 20 for erection of brick, stone and concrete, \$100,000 school building. Address Board of Education, care Dan Tyson.

Tex., Fort Worth—Board of Education will erect \$16,500 building at 2000 Park Place.

Tex., Greenville—Trustees of Burleson College will inaugurate campaign early in Oct. to raise \$250,000; plan erection of \$150,000 administration building and \$100,000 for endowment.

Tex., Harrisburg—Harrisburg Independent School District will vote Sept. 30 on \$350,000 bonds for erecting Senior High School in Harrisburg and Junior High School in Magnolia Park.

Tex., Houston—Board of Education authorized building committee to select site for Eastwood Junior High School, first school to be built from recently approved \$3,000,000 bond issue; contemplate erection of junior high school on Norhill site to commence before Dec. 31; temporary building will be constructed at once; address E. E. Oberholtzer, Supt.*

Tex., Kountze—Hardin County Board of Education opens bids this week for erection of 1-story, brick and stucco, 5-classroom, auditorium and office, school building after plans by Livesay & Wiedemann, Archts., 447 Weiss Bldg., Beaumont.

Tex., New Braunfels—Board of Trustees, New Braunfels Independent School District, will open bids Sept. 29 for erection of 10-room and auditorium, tile and brick and 4-room and auditorium, tile stuccoed school buildings and tile stuccoed home economics cottage; plans and specifications may be obtained at office Giesecke & Harris, Archts., Littlefield Bldg., Austin, Tex.*

Tex., San Antonio—School Board will have plans in 2 weeks by Phelps & DeWees, Gunter Bldg., San Antonio, for erection of \$15,000, brick manual training unit for Edgar Allan Poe Junior school.

Tex., Shamrock—Board of Education, Mat Lewis, Sec., is receiving bids for remodeling high school building; E. H. Eads, Archt., Chickasha, Okla.

Tex., Sinton—Trustees of Adams Independent School District, Albert Kastner, Pres. of Board, opened bids for erection of tile school building; E. E. Hamon, Archt., McDonald Bldg., Corpus Christi.

Tex., Taft—S. E. Barnes & Co., Archts.,

133 Summitt St., Muskogee, Okla., opened bids for erection of \$25,000, 85x102 ft., brick and stone, 1-story school building; address Board of Education.

Tex., Waco—Baylor University, Dr. S. P. Brooks, Pres., contemplates erection of girls' dormitory.

Va., Charlottesville—Virginia Association of Workers for the Blind contemplates erection of work shop; address L. L. Watts.

Va., Petersburg—School Board, Henry G. Ellis, Supt., contemplates erection of \$350,000 junior high school building on Peabody lot on Fillmore St.

Va., Staunton—School Board has plans in progress by Wm. B. Ittner, Board of Education Bldg., St. Louis, Mo., and T. J. Collins & Sons, Staunton, Asso. Archts., for erection of 3-story, \$225,000 to \$250,000, 24-room high school building; concrete and terrazzo floors; concrete, brick and stone foundation, slate roof.*

W. Va., Clarksburg—Coal District Board of Education, L. S. Whiteman, Pres., opened bids this week for erection of \$60,000, 2-story and basement, 99x135-ft., brick and tile Despard grade school building; Edw. J. Wood & Son, Archts., Lowndes Bldg., Charleston, W. Va.

W. Va., Huntington—Westmoreland School District voted \$100,000 school bonds; address Board of Education.

Stores

Ala., Bessemer—Mrs. Anna Romano will soon let contract for erection of 5 stores on 20th St.

Ala., Bessemer—Kartus Department Stores, 1901 Second Ave., Jos. Kartus, Pres., will remodel and improve store building.

Ala., Birmingham—Henry H. Cobb, 2635 Arlington Ave., and Jos. H. Loveman will erect 2-story brick building at Second Ave. and 21st St., to be occupied by Kartus Department Store.

Ala., Birmingham—R. P. McCowan, 1314 N. 31st St., contemplates extensive improvements to former stand of Hooper cafe dining room, to be occupied by McCowan's Walk-Over Boot Shop.

Ala., Monroeville—H. E. Hudson and others will erect brick and concrete store building to cost \$10,000.

Ark., Blytheville—O. W. D. Cole of Conway will erect 2 business buildings on Main St.; will also erect 2-story business block at future date.

Ark., Little Rock—M. L. Corley, 1200 Schiller St., will erect brick veneer building at 1856 Ixard St.

Fla., Arcadia—J. G. McCrory Co., 1107 Broadway, New York City, contemplates erection of store building.

Fla., Coronado Beach—Marion L. Blanton will erect 2-story hollow tile and stucco store and apartment building.

Fla., Miami—Dr. and Mrs. Allen of West Palm Beach have plans in progress for erection of store and apartment building at Majorca Ave. and Ponce de Leon Blvd., Coral Gables.

Fla., Okeechobee—W. H. D. Cameron, West Palm Beach, has purchased property on Osceola St. and has plans in progress for erection of 2-story, tile and stucco store and apartment building.

Fla., Ponce de Leon—Capt. Will Brooks of Camp Walton contemplates erection of business building on Old Spanish Trail.

Fla., Sarasota—Joseph Downey of Chicago, Ill., will erect third-story addition to be occupied by I. G. Archibald Hardware & Furniture Store.

Fla., Sarasota—E. C. Silva will erect 2-story store and apartment building on Victory Ave.

Fla., Wewahatchka—W. R. McDonald will erect 3 store buildings. (See Hotels and Apartments—Buildings Proposed.)

Ga., LaGrange—C. E. Westbrook, 1040 Broad St., Columbus, has leased Grand Theater building and contemplates remodeling for department store.

Ga., Macon—G. P. Morgan, mgr. of local store of Askins, has plans under way for remodeling building at 416-18 Third St.

Ky., Louisville—Directors of Bourne & Bond, 317 W. Market St., contemplate rebuilding or remodeling building recently damaged by fire at \$117,000 loss.

Ky., Louisville—O. P. Reuter, Archt., Commercial Bldg., is taking bids for alterations to brick store building at 323-5 W. Market St., for L. Kort & Sons.

La., New Orleans—M. Fauria, 1225 N. Peters St., purchased 2-story brick building at 1216-18 Royal St. and contemplates remodeling.

La., New Orleans—Favrot & Livaudais, Ltd., Archts., Hibernia Bank Bldg., opened bids for alterations to store at 131 St. Charles St., to be used by Thompson restaurant.

La., Plaquemine—J. F. O'Albar of O'Albar Mercantile Co. has purchased property at Railroad Ave. and Court St., and contemplates erection of brick business building.

Md., Baltimore—John Miceli contemplates erection of addition to 3411 Greenmount Ave. to be used as barber shop and store.

Mo., Kansas City—Charles Weill, 612 Brush Creek Blvd., will erect 1-story business building.

Mo., Kansas City—Chas. H. Price, Pres. Linwood State Bank, 31st and Troost Ave., contemplates erection of 1 to 3-story and basement, 60x110-ft., brick and stone store and office building, 39th and Main Sts.; Archt. not selected.

Mo., St. Louis—Florissant Realty Co., 3052 W. Florissant Ave., has plans by Wedemeyer & Nelson, Walnwright Bldg., St. Louis, for erection of \$10,000, 1-story, brick rear addition to store building at 3950 W. Florissant Ave.

Mo., St. Louis—L. V. Janet, 5444 Gravois Ave., has plans by Cole & Blerstadt, 4639 Dahlia Ave., and is taking bids for erection of \$12,000, 2-story and basement, 30x54-ft., brick store and apartment building.

Mo., Springfield—Mrs. William Kennedy, owner of store at 314 Campbell St., occupied by Jarrett Bros. Hardware Co., recently destroyed by fire, announced plans for rebuilding.

Mo., Springfield—Caleb Squibb, 613 E. Monroe St., owner of building occupied by Killingsworth & Co., announced plans for rebuilding structure recently destroyed by fire.

Okla., Fort Cobb—C. C. Grimmett contemplates erection of 1-story, brick 75x90 ft. store building.

Okla., Tulsa—H. G. Brockman will erect \$50,000 brick store and garage building at 1013-19 S. Main St.

S. C., Columbia—R. Byrum contemplates erection of store building at intersection of Laurel and Oak Sts.

W. Va., Fairmont—W. C. Prince, 103 Adams St., and Frank Crawford, 110 Wheeling St., contemplate erection of 4-story, steel, brick and concrete, 75x60 ft. in Fairmont Ave. facing on south side bridge; 2 stories above and 2 stories below bridge; 2 storerooms on second floor with apartment above.

W. Va., Welsh—Mrs. L. D. Barry will erect brick building on McDowell St. to replace structure recently destroyed by fire.

Theatres

Fla., Tampa—Morgan L. Wynne of Wynne-Claughton Realty Co. of Atlanta, Ga., outlined preliminary plans for erection of \$500,000 theater.

Mo., St. Louis—H. C. Koenig, Marine and Osage Sts., contemplates erection of \$200,000, 3-story and basement, brick and reinforced concrete building on Grand Blvd., south of Meramec St., to contain theater, stores and offices.

N. C., Edenton—S. W. Taylor has plans in progress by Benton & Benton, Wilson, N. C., for erection of \$50,000, wood, steel and brick, 60x155-ft., store and theater building; 2 stories, built-up roof, wood and tile floors. (Lately noted at Elizabeth City.)

Warehouses

Ga., Atlanta—Simmons-Kerr Realty Co., Citizens & Southern Bank Bldg., will erect \$12,500, 1-story, brick and steel warehouse, S Ponce de Leon Place.

Ga., Bainbridge—County Agent D. E. Sawyer is promoting erection of tobacco warehouse.

Ga., Metter—Geo. L. Williams is temporary

Chmn. of Committee for erection of tobacco warehouse.

Mo., Kansas City—Mutual Lumber Co. will occupy warehouse to be erected at 3109-15 Southwest Blvd.

Mo., Kansas City—J. W. Hood, 3239 E. 29th St., will erect \$15,000, 1-story warehouse at 3109-15 Southwest Blvd.

N. C., Charlotte—Mecklenburg Highway Commission authorized C. C. Hook, 338 S. Church St., Charlotte, to prepare plans for erection of \$25,000 building on Dowd Road to contain warehouse, machine shop and garage.

Tenn., Nashville—J. S. A. Francis, Nashville, and C. C. Hinkle, Memphis, have tentative plans for erection of government warehouse at 1117 Fourth Ave., south.

Tex., Lubbock—L. C. Montgomery, owner of Montgomery Transfer Co., has plans in progress by Peters & Haines, Lubbock, for erection of 2-story warehouse, Avenue F and Main St.

W. Va., Morgantown—Commercial Candy Co., O. O. Donley, Mgr., 110 Clay St., has plans by Edw. B. Lee, Chamber of Commerce Bldg., Pittsburgh, Pa., for erection of \$60,000, 3-story and basement, 48x88 ft., reinforced concrete warehouse on Wharf St.

temporary slag roof; heating to D. D. Condon, Kresge Bldg.; Murphy & Olmsted, Archts., 1413 H St., N. W.; all Washington, D. C.; plumbing not let. Address Rev. Father Carey, Hyattsville.*

Miss., Maben—Baptist Church will erect brick veneer building; J. C. Harrison & Sons, Contrs., Maben.*

Mo., St. Louis—Free Methodist Church, Rev. A. S. Fleming, Pastor, 3400 Franklin St., will erect \$35,000 church and parsonage, Davison and Theodore Aves.; stucco on tile, 1 story, 40x60 ft. and 25x45 ft.; Alfred Johnson, Archt., 6514 Joseph Ave.; Fleshman Construction Co., 4366 Swan Ave., gen. contr. and carpentry.

N. C., Asheville—Methodist Church, C. C. Cranford, Chmn., Bldg. Comm., has started work on \$75,000 building, Fayetteville and Salisbury Sts.; tile and rough faced brick; auditorium to seat 600, 20 Sunday school rooms, kitchen, etc.

N. C., Durham—Trinity Avenue Presbyterian Church, Dr. H. C. Carr, Chmn. Bldg. Comm., let contract to N. Underwood, First Nat. Bank Bldg., for \$70,000 building, Trinity Ave. and Gregson St.; main auditorium and basement, latter for Sunday school; Rose & Rose, Archts., 513 Trust Bldg., all Durham.*

Okla., Lone Wolf—Lutheran Church will erect brick building; metal ceiling, wood and cement floors; E. G. Schwartz, 1320 W. 7th St., Oklahoma City, Okla., to superintend construction.

Okla., Oklahoma City—Pennsylvania Avenue Christian Church, 12th St. and Pennsylvania Ave., Rev. Geo. W. Baney, Pastor, let contract on cost plus basis to Smiser Construction Co., 613 N. Hudson St., for \$70,000 building; T-shape, 42x100 ft. and 50x80 ft., 1 story and basement, brick, stone and reinforced concrete, slate roof, hot air heat, art glass windows; Harry Reynolds, Archt., First Nat. Bank Bldg., both Oklahoma City.*

Okla., Pawhuska—Christian Church let contract to D. C. Bass, Enid, Okla., for \$60,000 building, 9th and Prudom Sts.; brick, stone trim; Clyde E. Woodruff, Archt., 2550 Vickery St., Fort Worth, Tex.*

S. C., Union—Baptist Church let contract to Rutherford Innis Construction Co., Columbia, S. C., for \$45,000 Sunday school building; ordinary construction, 3 stories, 98x68 ft., Johns-Manville Type A roof, Warren Webster modulation system of heat; address proposals on furnishings, equipment, etc., including furniture, to G. A. Sawyer, Union; Casey & Fant, Archts., Anderson, S. C.*

Tenn., Memphis—Trinity Methodist Church let contract to Louis L. Diehl, 1663 Forrest St., for \$95,000 building, Galloway Ave. and Evergreen St.; Gothic type, steel, brick and Alabama limestone exterior, art glass, pipe organ; auditorium with gallery to accommodate 800; Hubert T. McGee, Archt., Madison Avenue Bldg.; both Memphis.*

Tex., Dallas—First Baptist Church, Cullen F. Thomas, Chmn., Bldg. Comm., let contract to Christy-Dolph Construction Co., Central Bank Bldg., for \$350,000 fireproof Sunday school building adjoining main auditorium under construction by above firm; R. H. Hunt Co., Archts., S. W. Life Bldg., Dallas, Tex.*

Tex., Lubbock—Church of Christ let contract to L. D. Harrison, Lubbock, for completing brick building on Broadway; cost \$50,000.*

Tex., San Marcos—First Baptist Church let contract for \$100,000 building to S. G. Granberg, San Antonio, Tex.; brick, 3 stories; heating, electric work and plumbing not let; work to start Nov. 1; Will N. Noonan, Archt., Moore Bldg., San Antonio. Address Rev. R. L. Powell, Box 13, San Marcos.*

BUILDING CONTRACTS AWARDED

Association and Fraternal

Ala., Prattville—Ancient Free and Accepted Masons have started work on \$30,000 temple.

Bank and Office

Fla., Altamonte Springs—Frank Halthcox, Orlando, Fla., plans to later erect bank and block of stores in connection with development of 700-acre tract; E. E. White, Landscape Archt., Courthouse, Orlando; owner builds.

Fla., Miami—Bank of Allapattah will erect 1-story concrete block building, N. W. 17th Ave. and 21st St.; cost about \$10,000; C. E. Nole, Contr., Miami.

Ky., Cloverport—Breckenridge Bank of Cloverport has started work on concrete and steel vault in building under construction, Elm and Main Sts.; D. K. Murphy & Bro., Archts., Louisville Trust Bldg., Louisville, Ky.

Ky., Drakesboro—Citizens Bank let contract at \$14,270 to Davis & Hagan, Owensboro, Ky., for hollow tile and brick veneer building; 2 stories, 33x65 ft., terrazzo and wood floors, concrete foundation, built-up roof, hollow tile, plaster board, vaults; Contrs. desire sub-bids on wiring and plumbing; furnishings, equipment, etc., \$7500; C. W. Kimberlin, Archt., Owensboro.*

La., New Orleans—Marine Bank & Trust Co. let contract at \$8500 to Chas. Wenar & Co., Marine Bank Bldg., to install vault, repair fixtures and paint branch bank building, Chartres and Frenchman Sts.; building repairs to Geary-Oakes, Inc., Title Guaranty Bldg., plans by Chas. Wenar & Co., both New Orleans. (Archts. lately incorrectly noted.)*

Mo., St. Louis—C. Moynihan & Son, 2007 Olive St., St. Louis, has contract for plumbing in \$200,000 office building, Jefferson Ave. and Locust St., for Standard Oil Co., Syndicate Trust Bldg., A. P. Robinson, Local Mgr.; 2 stories and basement, 60x90 ft., terrazzo and concrete floors, composition roof, metal doors, steel sash and trim, ventilators; plans by Schlitz & Bailey, 53 W. Jackson St., Chicago, Ill.; Woermann Construction Co., 1441 Syndicate Trust Bldg., St. Louis, advise all contracts let; pouring concrete foundation.*

Mo., St. Louis—Odd Fellows Building, care I. T. Cook, Arcade Bldg., will add 5

stories to building, 9th and Olive Sts.; cost \$500,000, brick; Preston J. Bradshaw, Archt., International Life Bldg.; A. Monschein, Contr., Arcade Bldg., both St. Louis.

N. C., Charlotte—E. S. Draper will erect \$10,600 office building, 4th St. and Baldwin Ave.; 1 story, 40.6x64 ft., 8 offices, brick and tile; M. E. Boyer, Jr., Archt., 149 Brevard Court; Southeastern Construction Co., Contrs., 129 Brevard Court; both Charlotte.

S. C., Greenville—Morgan-Barr Electric Co., has contract at about \$10,000 for electric work in 10-story brick, stone and steel Chamber of Commerce office building, Main St., for which Minter Homes Co., E. North St., has gen. contr. at \$257,418; Beacham & LeGrand, Archts., North St.; J. E. Sirrine & Co., Asso. Archts.-Engrs., 309 S. Main St., all Greenville.*

Tenn., Memphis—Union & Planters Bank, Frank Hayden, Pres., let contract to Hegeman-Harris Co., 185 Madison Ave., New York City, to install bronze and marble banking fixtures; cost \$100,000; will also put tile floors in banking rooms; McKim, Mead & White, 101 Park Ave., New York, Holman and Marr, Stahlman Bldg., Nashville, Tenn., and Louis G. Carlisle, Falls Bldg., Memphis, Archts.*

Churches

Ark., Little Rock—Washington Avenue Methodist Church will erect building; contract for concrete basement let to J. J. Miller, 922 Garland St., Little Rock.

Fla., Daytona—Mt. Zion M. E. Church will erect \$20,000 brick building, 2nd St. and Loomix Ave.; G. E. Curry, Contr., Daytona.

Fla., Jacksonville—Emanuel Baptist Church will erect second-story stone addition to church, Forest St. near Center St.; cost \$20,000; I. A. Harris, Contr., Jacksonville.*

La., New Orleans—W. Hendren will erect country residence; Johnson & Gabriel, Contrs., Ponchatoula, La.

Md., Hyattsville—St. Jerome's Catholic Church, Rev. A. J. Carey, pastor, let contract to Chas. J. Cassidy Co., Inc., 700 Tenth St., N. W., for basement of fireproof church; cost, work to start Nov. 1; Will N. Noonan, Archt., 32x104 ft., terrazzo and concrete floors, concrete foundation, hollow tile, ventilators,

Tex., Waco—Central Christian Church, Dr. John W. Kerns, Pastor, let contract for \$150,000, building, 11th and Washington Sts., to J. S. Harrison Construction Co., 414 Liberty National Bank Bldg., fireproof, 4 stories, 80x107 ft., tile and cement finish floors, hollow tile, ornamental terra cotta, Johns-Manville built-up asbestos roof, pipe organ and glazing for leaded art glass and memorial windows in separate contract; Birch D. Easterwood, Archt., 614-15 Liberty National Bank Bldg., both Waco.*

Va., Portsmouth—Park View Baptist Church let contract at \$51,640 to Calvin Johnson & Son, Portsmouth, for Colonial building, Hatton and A Sts.; Wickham C. Taylor, Archt., Citizens Bank Bldg., both Norfolk, Va.*

City and County

Fla., Daytona—Town Hall-Fire Station—Town Council, P. D. Gold, Mayor, let contract at \$16,850 to J. S. Crowell, Seabreeze, for combined town hall and fire station, Halifax Ave. and University Blvd.; 2 stories, tile and stucco.*

Ga., Macon—Fire Station—City, Osgood Clark, City Clk., let contract at about \$10,000 to Bass-Hamlin Co. for fire station, Pio Nono Ave.; electric work to H. E. Lowe Electric Co., both Macon.*

Miss., Vicksburg—Fire Station—Board of Mayor and Aldermen, J. J. Hayes, Mayor, let contract at about \$48,000 to E. G. Parish Construction Co., Jackson, Tenn., for brick, concrete and steel central fire station, Walnut and S. Madison Sts.; 64x69 ft., concrete floors and foundation, Johns-Manville roof, ventilators, steel sash and trim, wire glass; electric work to J. M. Freid, 2512 Cherry St.; heating plumbing, roofing, sheet metal work and ventilators, Enterprise Plumbing Co.; W. A. Stanton, Archt., 308 First Nat. Bank Bldg., all Vicksburg; contractor to furnish all material.*

Tex., San Antonio—Municipal Auditorium—City, John W. Tobin, Mayor, let contract at \$570,680 to Walsh & Burney, 900 block S. Flores St., for fireproof of municipal auditorium, Romana and 4th Sts.; plumbing, A. J. Monier Co., \$23,125; wiring, Travis Electric Co., \$45,998; building, Spanish type, reinforced concrete frame, steel trusses over auditorium, white native limestone faced exterior walls, Mission tile roof, tile and cement floors, corridors, tablets, etc.; auditorium to seat 6000; proscenium arch 75 ft. wide and 36 ft. high; Atlee B. & Robt. M. Ayres, 626-27 Bedell Bldg., Geo. Willis and Emmett T. Jackson, Asso. Archts., all San Antonio.*

W. Va., Huntington—Remodeling Courtroom—Cabell County, R. S. Douthat, County Clk., let contract to Central States Construction Co., 1107 Fourth Ave., Huntington, to remodel criminal courtroom; cost about \$10,000; F. Wilcox, Huntington, at \$163 to furnish and erect flagpole on dome.

Dwellings

Ark., Pine Bluff—L. P. Dubose, 1201 W. 23rd St. will erect hollow tile residence, 36th and Cherry Sts.; tile roof, hardwood floors, plastered walls, built-in features; mill work and lumber from Pine Bluff Lumber Co., Pine Bluff.

Ark., Pine Bluff—W. C. Brazill has contract for 6-room frame residence for Mr. Jones, 30th St. and Linden Ave.; lumber mill-work and Ford cyclone roofing by Standard Lumber Co., Pine Bluff; work started.

Ark., Pine Bluff—L. P. Dubose, 1201 W. 23rd St., will erect hollow tile residence, 36th and Cherry Sts.; tile roof hardwood floors, plastered walls, built-in features; mill-work and lumber from Pine Bluff Lumber Co., Pine Bluff.

Fla., Lake Worth—W. W. Toot will erect frame residence, Dixie Highway and 17th Ave.; J. Q. Henry, Contr., Lake Worth.

Fla., Miami—Cliff C. Hatcher, Jr., has started work on \$10,000 Spanish type bungalow, Andros Ave., King Park sub-division; steel reinforced concrete walls; Robt. L. Weed, Archt., Metropolitan Bldg.; I. T. Blount, in charge of construction, both Miami.

Fla., Orlando—J. D. Beggs will erect 2-story stucco Colonial residence fronting on Park Lake; Geo. Drug, Archt., 130 E. Concord St., Orlando; Mr. Beggs to supervise construction.

Fla., Sarasota—J. C. Knight, Contr., Tarpon Springs, Fla., will erect number of dwellings; owner builds.

Fla., Sarasota—John Ringling let contract to Owen Burns, Sarasota, for \$225,000 Venetian Gothic type residence on Indian Beach estate; terra cotta block wall, reinforced concrete slabs, stucco and ornamental terra cotta exterior, 100x200 ft.; Dwight James Baum, Archt., Spuyten Duyvil Parkway and Waldo Ave., New York City.*

Fla., Sarasota—T. A. Monk, Vandiver Bldg., Montgomery, Ala., has contract for erection of 20 residences to cost \$10,000 each. (See Hotels and Apartments—Contracts Awarded.)

Fla., Sarasota—W. H. Pritchett, Lakeland, Fla., is erecting 2 dwellings on 9th St. and will erect additional dwellings later.

Fla., Sarasota—John Savarese let contract for 10-room residence, Seminole Ave.

Fla., West Palm Beach—L. A. Brown will erect \$20,000 residence, Albemarle Rd. near Buckingham St., Prospect Park; 40x50 ft., frame and stucco; B. F. Hoffman, Contr., West Palm Beach.

La., New Orleans—Aetna Homestead Assn., Marine Bank Bldg., will complete building, Elizabeth and Walnut Sts.; cost about \$10,000; Wm. Wallace, Contr., 127 N. Hagan Ave., New Orleans.

La., New Orleans—R. T. O'Dower will erect \$50,000 residence, protection levee and Jeanerette St.; 1 story and basement, brick; J. B. Humphrey, Contr., 1228 Dante St., New Orleans.

Md., Baltimore—John W. Styne, 4401 Liberty Heights Ave., will erect 2-story frame residence and garage, N. E. cor. Hillsdale and Carleview Rds.; 29x35 ft. and 20x20 ft., slate roof, hot water heat, cost about \$10,000; M. J. Ruark, Archt., 728 E. 21st St.; Younger & Riddle, Contrs., 4401 Meriwent Ave., both Baltimore.

Md., Baltimore—Welsh Construction Co., 16 E. Lexington St., will erect 19 semi-bungalows, Rossiter Ave. W. of Cronson Ave.; 22x28 ft., shingle roofs; total cost \$60,000; Geo. Wessel, Archt., 3001 Lyttleton Rd., Baltimore; owner builds.*

Md., Baltimore—Electric Park Realty Co. will erect 10 two-story brick dwellings, S. W. cor. Belvedere and Morton Aves.; 19x40 ft., slag roofs, steam heat; total cost \$35,000; Fredk. E. Beall, Archt., 306 St. Paul St., Baltimore; owner builds.*

Md., Baltimore—John C. Lamb, 4307 Penhurst Ave., let contract to E. R. Tucker, Montpelier Ave., for \$12,000 residence, N. W. cor. Merrymount Rd. and Shipton Path; 2 stories, 43x28x30 ft., frame, shingle roof, hot air heat; R. G. Pratt, Archt., 323 N. Charles St., both Baltimore.*

Miss., Indianola—W. H. Carothers, jr., let contract for sandstone finish residence, Sunflower Ave., to Mr. Philipps, Memphis, Tenn.

Miss., Indianola—S. C. Cox let contract for brick veneer residence, E. Percy St., to Mr. Philipps, Memphis, Tenn.

Mo., Clayton (Ind. Branch St. Louis)—M. G. Roth, Pres. Ho-Ro Co., 3335 Cambridge Ave., will erect \$20,000 residence and garage,

Claytonia Terrace and Moorlands St.; 2 stories, 33x38 ft., brick; E. Lantz, Archt., Wainwright Bldg.; E. Stuckhoff, Contr., 4410 Louisiana Ave., both St. Louis.

Mo., Kansas City—Rev. Herbert Ford, New York City, care E. W. Tanner, Archt., Meyer Blvd. and Ward Parkway, Kansas City, will erect \$15,000 residence, Crestwood addition; 2 stories and basement, 50x35 ft., stucco; J. C. Nichols, Contr., 910 Commerce Bldg., Kansas City.

Mo., Kansas City—F. A. Shafer, 5745 Tracy St., will erect \$10,000 residence, 220 E. 66th St.; 2 stories and basement, 35x37 ft., stucco; E. W. Tanner, Archt., Meyer Blvd. and Ward Parkway; J. C. Nichols, Contr., 910 Commerce Bldg., both Kansas City.

Mo., Kansas City—Geo. Boden, 3611 Indiana Ave., has started work on 22 stucco and frame dwellings, 36th and Cleveland Sts.; 2 under roof; cost \$4500 to \$6000 each, 1 and 2 stories, 24x38 ft., 24x42 ft., 22x30 ft., oak and concrete floors, stone foundations, shingle and asphalt roofs; plans and construction by owner; heating to Jos. Purmann, 5017 E. 24th St.; plumbing, Hampel Plumbing Co., 4206 Garfield St.; electric work, Royal Electric Co., 2509 Swop Parkway, all Kansas City.*

Mo., St. Louis—F. J. Teszors, 4647 Michigan St., will erect 4 brick dwellings, 4302-09-12-16 Michigan St.; 1 story, 21x30 ft., composition shingle roofs, hot air heat; total cost \$16,000; G. F. Hayden, Archt., 2836 Chippewa St.; M. M. Connole, Contr., 1613 Chemical Bldg., both St. Louis.

Mo., University City (Station St. Louis)—J. J. Redmond, 114 N. 7th St., will erect \$12,000 residence, 7131 Maryland Drive; brick, 2 stories, 39x31 ft., slate roof, hot water heat, 20x20 ft., 1-story garage in rear; B. J. Charleville Building & Real Estate Co., Contrs., 114 N. 7th St., St. Louis.

N. C., Pelham—Mrs. A. S. Wooding will erect \$20,000 residence on Reidsville Rd., near Pelham; concrete and frame, 1 and 2 stories, 35x130 ft.; oak floors, concrete foundation, composition shingle roof; Heard & Chesterman, Archts., Peoples Nat. Bank Bldg., Danville, Va., and Lynchburg, Va.; H. A. Osborne & Son, Contrs., Danville; heating, plumbing and electric lighting not let. (Lately noted under Va., Danville).*

S. C., Rock Hill—Bernard Craig will erect 6-room residence, College Ave.; E. S. Wallace, Contr., Rock Hill.

Tenn., Knoxville—W. D. Pettigrew, 418 Atkin St., and R. A. Jarnagin let contract for \$19,000 duplex residence, Hillvale; 12 rooms.

Tenn., Maryville—Prospect Presbyterian Church is laying foundation for \$10,000 parsonage; brick veneer, slate roof; Barber & McMurry, Archts., 425 W. Clinch Ave., Knoxville, Tenn.

Tenn., Memphis—South, Whitten & Haley have started work on 5 dwellings, 1816-1822 Evelyn, 1186 Greenlaw, 900 block Galloway Ave.; brick veneer; owners build.

Tex., Austin—R. C. Briggs let contract at about \$14,500 to C. E. Spurlin, 3104 Duval St., for 2-story stucco residence, Duval St.; heating, plumbing and wiring in gen. contr.; edge grain pine floors, built-up roof; H. F. Kuchne, Archt., 824 Littlefield Bldg., both Austin.*

Tex., Dallas—B. M. Burgher, 3819 Dickason St., has started work on \$30,000 Florentine villa type residence, Turtle Creek Blvd. near Wycliff St.; 10 rooms, cypress and rough plaster walls, marble and tile floors, wrought iron rails and fixtures, Roman tile roof; Flint & Broad, Archts., Melba Bldg., Dallas.

Tex., Kaufman—Dr. R. J. Rowe let contract for \$15,000 residence, Houston and Temple Sts.; 2 stories, brick veneer.

Tex., Waxahachie—Montgomery Middleton has started work on 7-room residence, Grand Ave.; built-in features; H. D. Rankin, Contr., Waxahachie.

Government and State

Mo., Carrollton—Home—State Board of Charities and Correction, T. J. Sugg, Chmn. Bldg. Comm., Carrollton, let contract at \$37,000 to J. H. Sutton Construction Co., Pattonsburg, Mo., for receiving home for neglected and delinquent children; brick and reinforced concrete, 3 stories, 40x84 ft., oak and concrete floors, concrete foundation, hollow and interior tile, slate roof, cost \$50,000; bids to be received after Jan. 1 on furnishings, equipment, etc., including laundry, machinery, lockers, kitchen equipment, furniture, cost \$5000; electric work to Sam B. Ellis, Fulton, Mo.; plumbing, Paul Groeschell, Marshall, Mo.; Hoit, Price & Barnes, Archts., 800 Davidson Bldg., Kansas City, Mo.*

Hospitals, Sanitariums, Etc.

Ala., Montgomery—Montgomery Memorial Hospital Board of Trustees, Gen. Robt. E. Steiner, Chmn., let following contracts for equipment and furnishings: Alabama Power Co., 111 Dexter Ave., kitchen equipment; Durr Drug Co., 209 Commerce St., surgical supplies and sundries; Georgia Show Case Co., 6th Ave., cabinets; G. A. Grant Furniture Co., 34 Commerce St., furniture; Mercantile Paper Co., 110 Commerce St., office fixtures; Montgomery Fair, Court Square, furniture and carpets; Nachman & Meertief, 105 Dexter Ave., linens; Solomon Bros., 207 Commerce St., blankets; Tennille Furniture Co., 109 Commerce St., furniture, mattress and shades; all Montgomery; Doster-Northington Drug Co., 2108 First St., Birmingham, Ala., X-ray equipment; Kny-Schener Corp., 119 Seventh Ave., New York City, surgical cabinets; Scanlan-Morris Co., Madison, Wis., surgical apparatus.*

Mo., St. Louis—Alexian Brothers Hospital, 3933 S. Broadway, will erect side and rear additions to building; cost \$40,000, 2 and 3 stories, 88x26 ft., brick; Wesselbecher & Hillebrand, Archts., Pontiac Bldg.; Building & Contracting Co., 1943 St. Louis Ave., both St. Louis.

S. C., Cedar Spring—Perkins Construction Co., Mills Bldg., Greenville, S. C., contractor for brick and hollow tile infirmary building at South Carolina School for Deaf and Blind, Capt. N. F. Walker, Supt., desires sub-bids on small dumbwaiter and fly screens; building, 2 stories, 36x92 ft., brick foundation, slate roof, hollow and interior tile, concrete floors, cost without furnishings and equipment, \$30,000; electric work not let; heating and plumbing let to Walton Engineering Co., Rock Hill, S. C., at \$2290; Edwards & Sayward, Archts., 101 Marietta St., Atlanta, Ga.*

Tex., Rusk—State Board of Control, S. B. Cowell, Chmn., Austin, Tex., let contract at \$31,242 to E. B. Snelling, Austin, for fireproof building at East Texas State Hospital for Insane; plumbing and wiring to Andrewatha & Co., Austin, \$1971 and \$419; building, brick and stone, reinforced concrete, 2 stories; S. W. Ray, Archt., Jacksonville, Tex.*

Hotels and Apartments

Ala., Decatur—General Construction Co. will erect 8-apartment building at Oak and Davis Sts., to be known as Valley Court Apartments.

Fla., Key West—Florida Keys Realty Co., Justice Jefferson B. Brown, Pres., let contract to Fred T. Ley & Co., 156 Broadway, New York city, for erection of 100-room, fireproof, 176x180-ft. hotel building, Duval and Fleming Sts.; cost, including furnishings,

\$768,000, of which \$500,000 will be covered by bond issue handled by G. L. Miller & Co., Hurt Bldg., Atlanta, Ga.; on ground floor will be banking rooms of State Bank & Trust Co., 10 shops and entrance to hotel; hotel proper will occupy 5 upper floors; lobby, office, dining room, kitchen, rest rooms and other public rooms will be on second floor; each of four remaining floors will have 25 guest rooms of which 75 will have private baths, 12 connecting baths and 13 without; 2 elevators; to be known as La Concha; G. Lloyd Preacher & Co., Archts., Healey Bldg., Atlanta, Ga.

Fla., Miami—E. T. Duval has nearly completed first section of Cla-Reina Hotel on Alhambra Circle in Coral Gables and work on second section has started; Spanish design, 3 stories, 100x36 ft., will erect third section later; completed building will contain 50 rooms with baths and showers and first floor will contain 12 stores; lobby 14x25 ft.; electric water heater, Spanish tile roof.

Fla., Miami—J. H. Rowley will erect two 4-family, cement block apartment houses, S. W. 13th Ave., to cost \$12,000 each; owner builds.

Fla., Miami—Louis S. Allen let contract to McLinden of Miami for erection of \$50,000, 3-story, 80x80 ft., reinforced concrete frame and block, 18-apartment building, S. W. Seventh Ave. and Sixth St.; tile and composition roof, wood floors, concrete foundation; Kiehnell & Elliott, Archts., Central Arcade Bldg., Miami.*

Fla., Sarasota—T. A. Monk, Vandiver Bldg., Montgomery, Ala., has contract for erection of 20-family apartment building and 20 residences to cost \$10,000 each.

Fla., Wauchula—Wauchula Bank Building Assn., A. G. Smith, Pres., broke ground for erection of hotel building; Leo. M. Elliott, Archt., Citizens Bank Bldg., Tampa.

Fla., West Palm Beach—F. Butte has plans by Wm. Manly King, West Palm Beach, for erection of \$10,000, cement and brick, 6-apartment building on Chicago Ave.; owner builds.

Ga., Atlanta—Mansion Site Improvement Co., J. R. Allan, Pres., has awarded contract to Gude & Co., 64 Poplar St., Atlanta, to erect hotel as addition to Hotel Grady, theater and loft building; cost about \$1,750,000; 230 hotel rooms; theater to seat 2600; loft building to be 8 stories; concrete and hollow tile construction with face brick and terra cotta exterior; interior finish of theater to be of marble; G. Lloyd Preacher & Co., Archts., Healey Bldg., Atlanta; G. L. Miller & Co., Hurt Bldg., Atlanta, financing with bond issue of \$1,325,000.*

Mo., St. Louis—Allesse Realty Co., 4111 Fair St., will erect \$10,000, 2-story, brick, 33x56 ft. tenement building at 4415 Fair St.; slate roof, hot water heat; F. Greulich, Contr., 3131 N. Grand St., St. Louis.

Mo., St. Louis—J. F. Carins, 3972 Connecticut St., will erect four 2-story, 34x61 ft., brick tenements at 4622-36 Shenandoah St.; \$40,000; tar and gravel roof, furnace heat; owner builds.

Mo., St. Louis—C. F. Ebeler, 3733 Hebert St., let contract to J. Chas. Mueller & Son, 3129 N. Grand St., St. Louis, for erection of \$10,000, 2-story, 19x42 ft., brick apartment building, Jelbert and Spring Ave.; F. A. Hueser, Archt., 4534A Fair Ave., St. Louis.

Mo., St. Louis—J. A. Keithly, 4972 Columbia St., will erect \$10,000, 2-story, brick, 34x52 ft. tenement building at 4920 Columbia St.; owner builds.

Mo., St. Louis—C. Mueri Realty & Building Co., 3609 Hartford St., will erect five 2-story, 29x43 ft. tenement buildings at 3109-13-17-19 Osage St.; \$25,000, slate roofs, hot air heat;

H. Schaumburg, Archt., 3631 Connecticut St., St. Louis; owner builds.

Mo., St. Louis—V. H. Rhodes, 6240 Delmar Blvd., let contract to Rhodes & Cook Construction & Realty Co., 6240 Delmar Blvd., St. Louis, for erection of \$30,000, 3-story and basement, 37x58 ft., brick and cut stone trim, 6-family apartment building, 6000 Clemens Ave.; private plans.*

Mo., St. Louis—I. A. Zak, 4911 St. Louis St., will erect \$10,000, 2-story, brick, 24x49 ft. tenement building at 4956 Terry St.; composition roof, hot air heat; E. Pantus & Co., Builder; E. H. Paulus, Archt., both 4955 Northland St., St. Louis.

Mo., St. Louis—W. Elliot, 5715 McPherson St., will erect \$15,000, 3-story, 28x55 ft., brick tenement at 5721 McPherson St.; composition and slate roof, furnace heat; Meler & Meng, Builders, 1039 Marion St.; Oliver J. Popp, Archt., Odd Fellows Bldg.; both St. Louis.

Mo., St. Louis—C. S. Fisher, 722 Chestnut St., will erect two \$10,000, 2-story, 51x40 ft. tenements at 5050-52 St. Louis St. and 1971-2 Burd St.; composition roof, hot-air heat; May Building & Investment Co., Contrs., 808 Chestnut St.

Mo., St. Louis—Queens Investment Co., 5302 Queens St., will erect \$10,000, 2-story, brick, 27x45 ft. tenement building, 5306 Queens; asphalt shingle roof, hot water heat; C. Wilcox Contracting Co., Contrs., 5302 Queens; G. E. Smith, Archt., 5306 Queens.

N. C., Charlotte—J. Renwick Wilkes, Lamar Ave., let contract to Goode Construction Co., 4 W. 3d St., for erection of \$63,000, 2-story, brick veneer, trimmed with cast stone, apartment building at intersection of Fifth St. and Lamar Ave.; hardwood floors.

N. C., Charlotte—Frank Bennett, Wadesboro, N. C., will erect \$15,000, 38x58-ft., brick veneer, 4-family apartment building after plans by M. R. Marsh, 224 Latta Arcade, Charlotte; composition shingle roof, oak floors, hot water heat; owner builds.

N. C., Charlotte—J. H. Woolley, 202 S. Fox St., let contract to Sherin & Conder, Charlotte, for erection of \$14,100, 37x60-ft., brick veneer, 4-family apartment building; composition shingle roof, oak floors, hot water heat; M. R. Marsh, Archt., 224 Latta Arcade, Charlotte.

N. C., High Point—Mrs. J. E. Hardy let contract to Southeastern Construction Co., 129 Brevard Court, Charlotte, for erection of \$18,000, 24-room apartment house, North Main between Louise and Greensboro Ave.

S. C., Columbia—W. H. Cary is reported to have let contract for erection of apartment building on Henderson St.

S. C., Marion—Marion Building & Loan Assn. let contract to J. M. Lawton Co., Florence, S. C., at \$50,000, for erection of 3-story, brick and steel, 26-room hotel; rift pine and tile floors, concrete foundation, Barrett roof, hollow tile, interior tile, plaster board, steel sash and trim, wire glass; Pettigrew & Co., Florence, steam heat and plumbing; Decatur Cornice & Roofing Co., Albany, Ala., iron and steel; Ornamental Stone Co., Pineville Rd., Charlotte, N. C., ornamental stone; Wilkins & Hopkins, Archts., Florence, S. C.*

Tenn., Chattanooga—Mrs. R. H. Hart and Mrs. E. W. Whips, Turnam Apts., let contract to Stewart Construction Co., Feger Bldg., Chattanooga, for erection of brick duplex apartment building at 535 McCalle St., to cost \$10,000 to \$12,000.

Va., Farmville—Farmville Hotel Corp. let contract to H. D. Moring, Farmville, at \$93,000, for erection of Hotel Heyonoke; Fred A. Bishop, Archt., McIlwaine Bldg., Petersburg, Va.*

Miscellaneous

Ala., Birmingham—Club—Boys' Club, Dave Evans, Supt., Seventh Ave. and 25th St., north, let contract to Mann Brothers, Birmingham, at \$55,333, for erection of 2-story and basement, 75x70 ft. building; Warren, Knight & Davis, Archts., 1603 Empire Bldg., Birmingham.*

Fla., Daytona Beach—Restaurant—McMillan & Wright have permit for erection of concrete base for pier, with restaurant underneath and reinforced seawall; Ocean Ave. and Main St.; \$26,000.

Fla., Miami—Clubhouse—Country Club let contract to Thompson-Starrett Co., 41 Wall St., New York City, for erection of golf and country club in Country Club section of Coral Gables; three outdoor swimming pools will adjoin clubhouse; cost, including site, \$750,000; Schultze & Weaver, Archts., care Contractors.*

Ga., Atlanta—Home—Home for Old Women—Mrs. F. M. Farley, Pres., is erecting Home for Old Ladies in West End.; Mrs. W. C. Robinson and Mrs. Jas. Rogers Wakefield are Chmn. of Campaign to raise \$75,000; Fulton County and city of Atlanta have agreed to furnish materials and contribute work to match money to be raised, and C. C. Whitaker and Charley Bernhardt are contributing services as architect and builder.*

Miss., Fernwood—Clubhouse—Fernwood Country Club let contract to G. W. Netterville, McComb, for erection of clubhouse; Jones-Johnson Co., wiring; Pnellson & Co., heating and plumbing; Fernwood Lumber Co. will furnish lumber.

Miss., McComb—Tabernacle—Gypsy Smith building committee let contract for extensions to present tabernacle.

Tex., Dallas—Clubhouse—Dallas Athletic Club, W. E. Greiner, Pres., 6535 Gaston St., let contract to Central Contracting Co., Magnolia Bldg., Dallas, for erection of 5 additional floors to present 8-story building. Elm and St. Paul Sts., for office purposes; install 2 additional elevators; Lang & Witchell, Archts., American Exchange Bank Bldg., Dallas.*

Tex., Lufkin—Crawford Creek Club, E. L. Kurth, Pres., is constructing dam to form lake and has contracted for clubhouse.

Tex., Victoria—Victoria District Fair Assn. let contract to Ed Wagner for erection of race horse, poultry and live stock sheds and ladies' rest room at fair grounds.*

Railway Stations, Sheds, Etc.

Va., Danville—Southern Railway Co., Henry W. Miller, Vice-Pres., Washington, D. C., let contract to John P. Pettyjohn, 212 Eighth St., Lynchburg, for erection of sheds at station, \$40,000.*

Schools

Ala., Birmingham—Board of Education let contract to D. D. Thomas & Son, 463 N. Dunlap St., Memphis, Tenn., at \$292,563, for erection of additional unit to Woodlawn High School, and at \$347,481, for erection of additional unit at Phillips High School; Alabama Supply Co., 1918 N. 4th Ave., heating, plumbing and electric wiring in Woodlawn School at \$90,444.75; Pate Co., 2017 N. 4th Ave., heating and plumbing at \$48,106, and electric wiring to Mill & Mine, American Trust & Bank Bldg., at \$13,000; D. O. Whildin, Archt., 515 N. 21st St.; all Birmingham.*

Ark., Modac—Standard Lumber Co., East Fifth St., Pine Bluff, is furnishing lumber and millwork for 4-room community school building; address School Board.

Fla., St. Petersburg—St. Pinellas County Board of Public Instruction, R. S. Blanton, Sec., Clearwater, let contract to Victor A. Boeke, 410 Central Nat'l. Bank Bldg., St. Petersburg, for erection of \$35,000 negro school building, 24th St. and Tenth Ave., south.

La., Singer—Beauregard Parish School Board, DeRidder, let contract to P. Oliver & Son, Lake Charles, at \$83,880, for erection of high school building; 2 stories, brick, wood and cement floors, reinforced concrete foundation, Barrett roof, hollow tile, metal floors, ventilators; R. S. McCook, Archt., Lake Charles.

Mo., Kirksville—Board of Regents of State Teacher College let contract to Glen D. Shipley, Princeton, Mo., at \$86,000, for erection of brick and reinforced concrete, 3-story, 86x98-ft. library building; tar and gravel roof, concrete foundation, cement floors; Arthur Baum Plumbing & Heating Co., plumbing and heating; St. Joseph Structural Co., 9th and Atchinson Sts., St. Joseph, steel, at \$5500; Huttig Millwork Co., Kansas City, millwork, at \$5200; R. H. Sanneman, Archt., 519 Lee Bldg., Kansas City.*

Mo., Kansas City—Board of Education, W. Velker, Chmn. Building Comm., Library Bldg., let contract to F. C. W. VanVachter, Gotham Apts., Linwood and Chestnut Sts., Kansas City, for erection of \$90,000, 2-story brick and stone, Whittier grade school, Indiana and 11th Sts.; Chas. A. Smith, Archt., 602 Finance Bldg., Kansas City.

Mo., Marble Hill—Linus Pensel, Cape Girardeau, has contract for placing of roof on new building of Will Mayfield College system; ready for occupancy within 3 months.

Mo., Springfield—Southwest Missouri State Teachers' College, Dr. Clyde M. Hill, Pres., let contract to Stewart-McGehee Construction Co., Teachers' College Campus, Little Rock, Ark., for erection of \$250,000 science building; Earl Hawkins & Co., Archts., McDaniel Bldg., Springfield.*

N. C., Chadbourne—Columbus County Board of Education, W. A. Thompson, Chmn., let contract to Carolina Construction Co., Hamlet, N. C., at \$33,116, for erection of 2-story, 130x143 ft., brick, frame and concrete high school building; gum and concrete floors, concrete foundation, Barrett roof, hollow tile, plaster; contain 4 classrooms, library, study room, agricultural laboratory, food and clothing laboratories; major items to be purchased include laboratory equipment, desks and chairs; Geo. B. Kirkman, Lumberton, low pressure steam heat and plumbing; J. L. Powers, Bennettsville, electric wiring; W. D. Harper, Archt., Florence, S. C.*

N. C., Chapel Hill—Carolina Heating & Engineering Co., 1st National Bank Bldg., Durham, has contract for heating Chemistry Building under construction by T. C. Thompson & Bros., Chapel Hill, and for underground heating mains to new dormitories; Atwood & Nash, Inc., Archts. & Engrs., Trust Bldg., Durham and Chapel Hill.*

N. C., Winston-Salem—Board of Aldermen awarded following contracts for erection of Kimberly Park and Vaughton schools: General contract, Chapman-Hunt Co., Oxford, N. C., \$83,556; plumbing, Southern Plumbing Co., N. Main St., \$6055; electrical work, Peoples' Electric Co., 217 W. 5th St., \$3436; general contract, Greer-Lowrance Co., Statesville, N. C., \$69,344; plumbing, Southern Plumbing Co., \$6920; electrical work, Home Electric Co., 232 N. Main St., \$2279; all Winston-Salem.*

Okla., Bartlesville—G. P. Gehring let following sub-contracts in connection with their contract for erection of McKinley School at \$19,200 and Jefferson addition at \$18,500; Brick, Reliance Brick Co., 616 Kennedy Bldg., Tulsa, and Lumbermen's Supply Co., American Nat'l Bank Bldg., Oklahoma City; steel, Ben Sibbitt Iron & Fdy. Co., Wichita, Kan.; heating and plumbing, Sell-Orr Heating Co., Independence, Kan.; millwork, Bartlesville Planing Mill; stone, Bell Stone Co.; painting, Foster Paint Co.; wiring, Keener Electric Co.; all Bartlesville; J. H. Felt & Co., Archts., 800 Grand Avenue Temple, Kansas City.*

Okla., Gore—Board of Education let contract to Hill & Williams, Vian, for erection of addition to high school building; M. T. Hardin, Archt., 503-4 Equity Bldg., Muskogee.*

S. C., Beaufort—School Board let contract to Cheves-Oliver Construction Co., Charleston, at \$75,821, for erection of high school and negro school buildings; W. G. Guimarin & Co., heating and plumbing, at \$12,992; J. B. Urquhart, Archt.; both Columbia.

Tenn., Nashville—Davidson County Board of Education let contract to Daniel & Duke, Nashville, at \$35,793, for erection of gymnasium and manual training building for Central High School; C. A. Ferguson, Archt., 63 Arcade, Nashville.*

Tex., Austin—Austin Independent School District, Dr. Geo. N. Decherd, Pres., let contract to J. J. Wattinger, 812 Patterson Ave., Austin, at \$185,215, on revised bids, for erection of 48-room addition to Junior High school, on 2-story and basement plant; new addition to eventually have 64 rooms; Giesecke & Harris, Archts., Littlefield Bldg., Austin.*

Tex., Georgetown—Georgetown College, Marshall Adams, Pres., let contract to W. S. Penn, Georgetown, associated with G. H. Nunneley Lumber Co., for erection of \$100,000, 2-story and basement, brick gymnasium; Frankel & Curtis, Archts. and Engrs., Suite 401 Hernando Bldg., Lexington, Ky.*

Tex., San Angelo—Lake View School Board let contract to C. S. Mills, 114 E. 12th St., San Angelo, at \$13,600, for erection of 2-story, 56x62 ft., brick school building in Lake View; wood floors, concrete foundation, Johns-Manville roof, metal ceilings; Jess Cunningham, painting; Arthur R. Swartz, Archt.; both San Angelo.*

Stores

Ala., Bessemer—Mrs. Anna Romano let contract to W. L. Costen, 1824 Third Ave., Bessemer, for erection of 4 brick stores on 19th St., to cost \$17,500.

Ala., Parrish—Dr. C. M. Stephenson let contract for erection of pressed brick store building on First Ave.

Ark., Osceola—Ed. L. Quinn let contract to Louis Nailing, Osceola, for \$17,000, 1-story, brick, wood roof framing, 80x80-ft., 3-story building; concrete floors and foundation, Carey roof, hollow tile, metal ceilings, wire glass; Uzzell S. Branson, Archt., Blytheville, Ark.*

Ark., Pine Bluff—H. Hasigianas, 2520 Cherry St., is rebuilding store building occupied by Parnell's meat market at 27th and Cherry Sts., recently destroyed by fire; lumber and millwork by Pine Bluff Lumber Co., 2400 W. 2nd St.

Ark., Pine Bluff—H. Hasigianas, 2520 Cherry St., let contract to F. J. Jones, 902 W. 19th St., Pine Bluff, for erection of building at 26th and Cherry Sts., to be used as restaurant; lumber and millwork by Standard Lumber Co., E. 5th St., Pine Bluff.

D. C., Washington—Harry Kite, Contr., 1514 K St. N. W., has contract for erection of \$20,000, 1-story, 135x71 ft., brick and limestone, 7-store building, 3217-29 44th St., for Julia Smith, care Contrs.; private plans.

D. C., Washington—C. B. Pinkett, 208 N St. N. W., let contract to T. L. Lewis & Son, 1523 L St. N. W., Washington, at about \$40,000, for erection of 2-story, 40x80 ft., brick store and apartment building at New Jersey Ave. and N St. N. W.; oak and concrete floors, slag roof, concrete foundation, hollow tile, metal ceilings, metal doors, ventilators; Howell V. O'Brien, Archt., 930 Buchanan St. N. W., Washington.*

Fla., Altamonte Springs—Frank Haitheox, Orlando, contemplates erection of block stores. (See Bank and Office—Contracts Awarded.)

Fla., Daytona—H. S. Wilder let contract to Fuquay & Gheen, Daytona, for erection of \$24,000 store and office building in block 9, South Palmetto Ave.

Fla., Hialeah—Ellis & Co., Contrs., are erecting \$25,000 building at Palm Ave. and 21st St.; L-shaped, 100x85 ft., 1 story, contain 11 storerooms.

Fla., Homestead—S. M. Alsbrook let contract to J. F. Umphrey for erection of 2 stores; 50x70 ft., reinforced concrete with tile curtain walls.

Fla., New Smyrna—Dr. B. H. C. Farr let contract to Daugherty & Lewis for erection of 2-story building on Canal St., to contain store on first floor and 15 rooms with 3 baths above, to be used in connection with sanitarium; 30x75 ft., Spanish type, brick and stucco front; will expend \$3000 for improvement to Magnolia Hotel property; contemplates erection of residence.

Fla., St. Petersburg—Central Ave. Holding Co. let contract to Robert Arnold, 137 Tenth Ave. N, St. Petersburg, for erection of \$100,000, 80x100 ft. Spanish type arcade, from Central Ave. to First Ave. north, between 4th and 5th Sts.; tile roof, stucco and tile exterior.

Fla., St. Petersburg—Baynard & Thorn Realty Co., 644 Central Ave., let contract to Robert Arnold, 137 10th Ave. N., St. Petersburg, for erection of \$30,000, 2-story, hollow tile, brick and stucco store and office building on Central Ave.*

Ky., Louisville—Meyer Cohn, Third and Market Sts., let contract to Platoff & Bush 122 W. Liberty St., Louisville, at \$25,000, for

erection of 2-story and basement, brick, 35x90 ft. store and office building, Sixth and Market Sts.; Joseph & Joseph, Archts., 800 Francis Bldg., Louisville.*

La., New Orleans—C. Tung let contract to Rudolph Gieffers, 2624 Washington Ave., New Orleans, at \$14,000, for erection of 3-story commercial building, Bourbon, Conti, Dauphine and Blenville Sts.

Mo., St. Louis—T. C. Wegeley, Contr., 6109 Easton Ave., has contract for erection of \$75,000, 2-story and basement, 100x100 ft., brick and reinforced concrete store and office building on Easton Ave.; owner's name withheld, care Gen. Contr.

N. C., Ahoskie—J. R. Garrett let contract for erection of 2-story brick building on West Main St.; storeroom on first floor with apartments above.

N. C., Charlotte—Culp Brothers, 230 E. Trade St., let contract to J. Y. Orders, Sharon Rd., Charlotte, for erection of \$10,000 brick, 46x85 ft., 1-story store building at 2100 Avondale Ave.

N. C., Charlotte—Piedmont Realty & Development Co. let contract to Thies-Smith Realty Co., Charlotte, for \$25,000, 2-story, 60x100-ft. store and office building; C. C. Hook, Archt., 338 S. Church St., Charlotte.

Okla., Kingfisher—Richard Pappé is rebuilding store building recently destroyed by fire.

Tenn., Gallatin—B. Sudderth & Sons let contract to Adams Construction Co., Bethpage, Tenn., for erection of \$17,000, 2-story and basement, brick store building; Geo. D. Waller, Archts., Independent Life Bldg., Nashville.*

Tenn., Memphis—R. M. Hammond, Shrine Bldg., let contract to J. L. Stewart, 3265 Summer St., for erection of three 1-story brick store buildings, Central Ave. and New York St.

Tenn., Memphis—Armstrong Furniture Co., 59 N. Main St., let contract to E. J. Pearson, Union & Planters Bldg., Memphis, for general repairs at 66-68 N. Main St., to cost \$10,000.

Tex., Fort Worth—Mr. and Mrs. J. I. Burgess, Jarvis Heights, let contract to Harry B. Friedman, First Nat'l Bank Bldg., Fort Worth, for erection of \$500,000, 8-story, reinforced concrete, 100x100-ft. department store building, Fifth and Houston Sts.; tar and gravel roof, terrazzo, marble and wood floors, concrete foundations, steam heat, 4 passenger and 1 freight elevator; hollow tile,

interior tile, metal doors, vaults, ventilators, ornamental terra cotta, rolling partitions, wire glass; W. G. Clarkson & Co., Archts., First Nat'l Bank Bldg.; will be leased by Sanger Brothers, 301 Houston St.; both Fort Worth.*

Tex., Houston—Southwestern Construction Co., West Bldg., has contract for repairs to Zindler Building, recently damaged by fire at \$20,000 loss; includes new roof and remodeling of interior.

Tex., Ralls—P. B. Ralls is erecting 2 brick business houses.

W. Va., Wheeling—Louis D. Delaplaine, 1311 Chapline St., let contract to Engstrom & Co., 1117 Chapline St., Wheeling, for alterations to office building for stores and offices; 2 stories and basement, 33x100 ft., brick; M. F. Giesey, Archt., 512 Riley Law Bldg., Wheeling.*

Theatres

Ark., Warren—C. W. Hankins & Son are erecting theater building; lumber and millwork by Standard Lumber Co., East Fifth St., Pine Bluff.

N. C., Salisbury—Paul Grimes, Mgr. of Strand Theater, is expending \$10,000 for extensive improvements.

S. C., Greenville—Greenville Hotel Co. let contract to Potter & Shackelford, Inc., Gallivon Bldg., Greenville, for erection of \$160,000, brick, steel and concrete, 1-story, Piedmont Theater building; tar and gravel roof, concrete foundation, tile, terrazzo and concrete floors, hollow tile, interior tile, metal doors, ventilators, ornamental terra cotta, steel sash and trim; Beacham & LeGrande, Archts., North St., Greenville; leased by Southern Enterprises, a subsidiary of Famous Players-Lasky Corp., 485 Fifth Ave., New York City.*

Warehouses

Miss., Brooksville—Standard Hardware Co. and Brooksville Hardware & Furniture Co. are erecting warehouses.

Mo., St. Louis—Weber Drayage, 1333 S. 2d St., will erect \$12,000, 1-story, brick, 94x72-ft. office and warehouse at 1329-33-35 S. 2d St., for Board of Education, 9th and Locust Sts.; J. Hill Construction Co., Contrs., 915 Olive St., St. Louis.

Va., Suffolk—Winborne & Co. are erecting 2 peanut storage warehouses on Factory St. and Madison St.; Hurwell Riddick, Sr., 121 Brewer St., Suffolk, Contr. in charge.

MACHINERY, PROPOSALS AND SUPPLIES WANTED

Abattoir and Equipment.—City of Greensboro, N. C., P. C. Painter, Mgr.—Will receive bids Oct. 7 for construction of abattoir and for necessary refrigerating and packing house machinery; plans, etc. with C. L. Brooks Engineering Co., Savannah, Ga.

Awning (Metal).—Town of Tarboro, N. C., J. C. Martin, Supt.—Wants metal awning or marquee; correspond with manufacturers.

Boiler (Water Tube), Etc.—State Board of Control, Austin, Tex.—Will receive bids Sept. 30 for one 150 h.p. water tube boiler as follows: One Heine type, water leg, inclined drum brick set boiler; to have 18 ft. tubes, standard steam pressure of 160 lbs., A.S.M.E. specifications to apply, shaking grates built for Texas lignite; cast iron fronts, etc.; J. P. Greenwood, Conslt. Eng.

Boiler.—R. P. Johnson (Mchy. Dealer) Wytheville, Va.—Wants dealers price on 60 to 75 h. p. locomotive type boiler on skids, 100 lbs. or more steam pressure, fully equipped and in good second-hand condition.

Bridge.—Hinds County, Jackson, Miss. Details under Construction News—Bridges, Culverts, Viaducts.

Bridge.—State Highway Comm., Richmond, Va. Details under Construction News—Bridges, Culverts, Viaducts.

Bridge.—Reeves County, Pecos, Tex. Details under Construction News—Bridges, Culverts, Viaducts.

Bridge.—Lincoln County, Troy, Mo., will build 2 bridges. Details under Construction News—Bridges, Culverts, Viaducts.

Brick.—See Building Materials.

Bridge.—Forrest County, Hattiesburg, Miss. Details under Construction News—Bridges, Culverts, Viaducts.

Bridge.—Dickens County, Dickens, Aex. Details under Construction News—Bridges, Culverts, Viaducts.

Bridge.—Jack County, Jacksboro, Tex. Details under Construction News—Bridges, Culverts, Viaducts.

Bridge.—City of Kissimmee, Fla. Details under Construction News—Bridges, Culverts, Viaducts.

Building Material.—Jefferson Construction Co., New Orleans, La., is bidding on \$70,000, 3-story, store and apartment building for Mrs. L. C. McGuire at Monroe, and desires sub-contract bids; general bids to be opened Sept. 29 by Wm. Drago and L. Milton King, Asso. Archts. of New Orleans and Monroe.

Building Materials.—Chilkaskia Lodge, No. 109, A. F. & A. M., Blackwell, Okla., H. J. Clark, Sec.—Wants 47,000 face brick; 22,000 hollow building tile; 12,600-sq. ft. gypsum block; 28,000 sq. ft. metal lath; Kalamain doors; 993 sq. ft. hollow metal windows; Hyrib lath for roof slabs; metal pans for construction of concrete floors; pressed steel stairs.

Building Materials and Equipment.—R. E. Lee, Supvg. Archt., Box 271, Tarpon Springs, Fla.—Wants prices on all kinds of building materials, also plumbing, heating, wiring,

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

gas fixtures, elevators, etc. required for bungalows and hotel.

Cars (Dump).—Stevens, Inc., Atlanta, Ga.—Wants two 1-yd. Koppel dump cars, V-shape, 24-in. gauge, must be in good condition.

Drag Line Work.—Thomas and Moseley, Inc., Lobby Hillsboro Hotel, Tampa, Fla.—Wants to sublet 200,000 cu. yds. of laterals in Dover Drainage Dist., located 15 mi. north of Tampa; work suitable for $\frac{3}{4}$ or 1 yd., 40 ft. boom machine, either walking or crawler type; information furnished from Tampa office after Oct. 1.

Drains.—City of Norfolk, Va., Walter H. Taylor, 3d Director of Public Works—will receive bids Sept. 30 for construction of drains at Aview Ave. and Granby St. and at Cottage Toll Road and Granby St. (Ocean View); work includes approximately 460 ft. of 3x5 ft. concrete box drains, 750 ft. of 36-in. concrete pipe; 470 ft. of 24-in. terra cotta pipe; 200 ft. of 18-in. terra cotta pipe and 200 ft. of 15-in. terra cotta pipe, 2 man-holes; 18 catchbasins.

Drainage.—Henderson County Clk., Henderson, Ky.—Will receive bids Oct. 4 for removing 27,052 cu. yds. dirt in Elam Flat Drainage Dist., work consists of cleaning out old ditches, channels, etc.

Drainage.—Mississippi River Comsn., 1311 International Life Bldg., St. Louis, Mo.—Will receive bids Sept. 26 to construct about 435,000 cu. yds. earthwork by hydraulic method in Sny Island Levee Dist.

Drainage.—O. Luthe and L. E. Hilton, Comms. of Drainage District No. 7, Houston, Tex.—Will receive bids Oct. 3 for clearing and grubbing right of way of main Green's Bayou from H. E. and W. T. Railroad to Stuebner Air Line county road; H. L. Washburn, County Auditor.

Dredge (Hydraulic).—Thomas and Moseley, Inc., Lobby Hillsboro Hotel, Tampa, Fla.—Wants hydraulic dredge complete with pipe, oil engine, Diesel or semi-Diesel; give complete specifications, details and price; Florida delivery.

Electric Generator Set.—The Board of Awards, F. A. Dolfield, Register, City Hall, Baltimore, Md.—Will receive bids Oct. 1 to furnish and install one 250 kw. generating unit at Bay View Hospital; C. H. Osborne, Inspector of Buildings.

Electric Generator Set.—Wilson-Hock Co. (Mchy. Dealer) City Point, Va.—Wants 75 to 80 kw. motor generator set, motor to be 3 phase, 60 cycle, 2300 volts, 100 to 115 h.p.; generator to be 550 to 600 volt with exciter.

Electric Light Plant, etc.—Board of Aldermen of village of Cheneyville, La.—Will receive bids Oct. 20 for two crude oil engines directly connected to alternators and clutch connected to Underwriters' pump; 8-in. tubular gas well; 50,000 gals. concrete reservoir; elevated tank and tower; cast iron pipe mains, specials and valves, hydrants, galvanized pipe and fittings, house service connections; water meters; poles and pole line equipment; electric house meters; complete 5-ton ice making plant, concrete foundations, building, etc.; F. P. Joseph, Constl. Engr., Glenmora, La.

Elevators.—See Building Materials and Equipment.

Engines.—See Electric Light Plant, etc.

Fire Escapes.—O. Lusk, Bell County Auditor, Belton, Tex.—Will receive bids Oct. 13 to furnish and erect fire escapes on the courthouse building.

Fire Hose and Reels.—The Quartermaster, U. S. Marine Corps, Room 3207 Navy Bldg., Washington, D. C.—Will receive bids Oct. 1 for fire hose and reels. Sch. 179.

Floor Surfacing Machine.—U. S. Marine Corps, Quartermaster Dept., Washington, D. C.—Will receive bids Sept. 29 to furnish floor surfacing machine; Sch. 173.

Furnaces (Open Hearth).—A. R. Lathrop, 715 Carter Road, Roanoke, Va.—Wants open hearth furnaces for melting scrap iron of all kinds.

Furniture (Bank) and Fixtures.—F. Watts Hall, Labelle, Fla.—Wants second-hand furniture and fixtures for bank building.

Furniture.—R. E. Lee, Supvg. Archt., Box 271, Tarpon Springs, Fla.—Wants prices on furniture for cheap bungalows and hotel.

Gas Fixtures.—See Building Materials and Equipment.

Grader and Scarifier.—W. S. Kendall, Bexar County Auditor, San Antonio, Tex.—will receive bids Oct. 15 to furnish one combination grader and scarifier for use in precinct No. 3; A. C. Pancoast, County Enr.

Heating Plants, etc.—War Dept., Office of Const. Quartermaster, Fort Sill, Okla.—Will receive bids Oct. 18 to construct three boiler houses and heating plants for buildings Nos. 113, 115 and 123.

Heating System.—See Building Materials and Equipment.

Ice Plant.—See Electric Light Plant, etc.

Incinerator.—City Commsn., B. A. Redding, Pur. Agt., Tampa, Fla.—Will receive bids Oct. 14 for constructing 50-ton capacity incinerator to be built on property furnished by city.

Jelly Making Machinery.—J. R. Ives, Manatee, Fla.—Wants jelly making machinery, correspond with manufacturers.

Light and Ice Plant Machinery.—R. W. Porter, Blackwell, Okla.—Wants light and ice plant machinery.

Lighting and Water System, etc.—Sunset Country Club, H. M. Crowson, Sec., Sumter, S. C.—Wants data on lighting system where no electric current is obtainable; also on water system necessary to put up windmill or gas engine to pump water to elevated tank, tank also to be built.

Locomotive.—Taylor-Parker Co., Water St. and Commerce Place, Norfolk, Va.—Wants small standard gauge locomotive, from 12 to 15 tons, delivery eastern South Carolina.

Metal Lath.—See Building Materials.

Meters.—See Electric Light Plant, etc.

Miscellaneous Supplies.—Office of Supply Division, U. S. Veterans' Bureau, Washington, D. C.—Will receive bids Oct. 6 for 100 bottles tinct. digitalis; 200 bottles collodion; 250 bottles sugar of milk; 80 bottles cherry laurel water; 50 bottles waterproof India ink.

Motors.—Wilson-Hock Co. (Mchy. Dealer) City Point, Va.—Wants two 25 h.p. General Electric No. 264A motors, also one extra armature for same.

Motor.—Wilson-Hock Co. (Mchy. Dealer) City Point, Va.—Wants 100 h.p. motor, 3 phase, 60 cycle, 550 volt, 1800 r.p.m. with complete starting equipment, motor suitable for direct connection to Underwriter's centrifugal fire pump; motor and starting equipment must pass Underwriter's requirements.

Paver.—D. C. Elphinstone, Inc., (Mchy. Dealer) 408 Continental Bldg., Baltimore, Md.—Wants second-hand, 21-E paver, in good condition.

Paving, Etc.—City of Monroe, La. Details under Construction News—Road and Street Construction.

Paving.—City of Wake Forest, N. C. Details under Construction News—Road and Street Construction.

Paving.—City of Waco, Tex. Details under Construction News—Road and Street Construction.

Paving.—City of Lexington, Ky. Details under Construction News—Road and Street Construction.

Pumping Station, etc.—City of Pikeville, Ky., Z. A. Thompson, Mayor.—Will receive bids Oct. 7 to construct 750,000 gal. per day filter plant, pump station, pumps, steel tank reservoir, distribution mains and appurtenances; The J. N. Chester Engineers, Engr., Union Bank Bldg., Pittsburgh, Pa.

Pump.—See Electric Light Plant, etc.

Reservoir.—City of Mt. Jackson, Va., S. A. Moffett, Mayor.—Wants bids on 150x150 ft. reservoir, 10 ft. deep with concrete sides and bottom, walls thick enough not to leak.

Road.—Richland County, Columbia, S. C., will improve 2 roads. Details under Construction News—Road and Street Construction.

Road.—Greenville County, Greenville, S. C.—Details under Construction News—Road and Street Construction.

Road.—State Highway Dept., Little Rock, Ark. Details under Construction News—Road and Street Construction.

Road.—Dickens County, Dickens, Tex. Details under Construction News—Road and Street Construction.

Road.—Jack County, Jacksboro, Tex. Details under Construction News—Road and Street Construction.

Road.—Hemphill County, Canadian, Tex. Details under Construction News—Road and Street Construction.

Road.—Hinds County, Jackson, Miss., will build 2 roads. Details under Construction News—Road and Street Construction.

Road.—Mitchell County, Bakersville, N. C., will build 6 roads. Details under Construction News—Road and Street Construction.

Road.—Lincoln County, Troy, Mo., will improve 2 roads. Details under Construction News—Bridges, Culverts, Viaducts.

Road.—Louisiana Highway Comn., Baton Rouge, La., will build 2 roads. Details under Construction News—Road and Street Construction.

Road.—Forrest County, Hattiesburg, Miss. Details under Construction News—Road and Street Construction.

Road.—Jefferson County, Louisville, Ky. Details under Construction News—Road and Street Construction.

Road.—Ouachita Parish, Monroe, La., will improve 3 roads. Details under Construction News—Road and Street Construction.

Road.—Bailey County, Muleshoe, Tex. Details under Construction News—Road and Street Construction.

Roofing, Etc.—Port Utilities Comsn., Room 712, Peoples Bldg., Charleston, S. C.—Will receive bids Sept. 29 to furnish and construct five-ply composition and slag roof, with flashings, gutters, cast iron down spouts and installing sky lights for shed on Union Pier.

Sandstone Cutting Machinery.—Jones & Mitchell, Box 2500, Sheffield, Ala.—Wants machinery for cutting sand stone for building purposes; correspond with manufacturers.

Sawmill (Circular).—Taylor-Parker Co., Water St. and Commercial Place, Norfolk, Va.—Wants upstairs circular sawmill with or without power, and not less than 20,000 feet capacity.

Screen (Office), Etc.—Treasury Dept., Supvg. Archt.'s Office, Washington, D. C.—Will receive bids Oct. 14 for post office screen, stamp cage and miscellaneous alterations in U. S. Post Office and Court House, Knoxville, Tenn.

Sewer.—See Paving, etc.

Sidewalks.—City of Baton Rouge, La. De-

tails under Construction News—Road and Street Construction.

Spot Welding Outfit.—K. B. Harvey, 120 St. and Jamaica Ave., Richmond Hill, New York City.—Wants new or second-hand spot welding outfit, prefer second-hand equipment.

Sewage Pumping Plant.—Walter H. Taylor, 3d, Director of Public Works, Norfolk, Va.—Will receive bids Sept. 26 to construct three sewage pumping stations at Ocean View; work includes approximately 850 cu. yds. excavation; 180 cu. yds. concrete and 3 brick super-structures.

Sewage Disposal System.—See Water System.

Steel.—Lincoln County Commrs., Troy, Mo.—Will receive bids Oct. 8 to furnish steel for bridge.

Steel Stairs.—See Building Materials.

Steel Novelties.—Benton & Benton, Fidelity Mutual Bldg., Wilson, N. C.—Wants names and addresses of manufacturers of stamped steel novelties.

Street Improvement.—City of Carthage, Tenn. Details under Construction News—Road and Street Construction.

Street Improvements.—City of Fort Pierce, Fla. Details under Construction News—Road and Street Construction.

Tank (Elevated).—See Lighting and Water System, etc.

Tanks.—East Carolina Railway, Henry Clark Bridges, Pres., Tarboro, N. C.—Wants tanks of all kinds for storage, pressure and wagon tanked for delivery of oils and gas.

Tile.—See Building Materials.

Trailer.—Allport Construction Co., Asheville, N. C.—Wants 25 ton trailer for transporting heavy equipment; prefer second-hand.

Truck (Fire).—A. T. Crutchfield, City Purchasing Agent, Durham, N. C.—Will receive bids Oct. 3 to furnish one 750 gal. capacity triple combination standard fire truck; give complete specifications, service guaranteed by manufacturer and price complete delivered to Durham.

Veneer.—Woodstock Manufacturing Co., Center and Nassau Sts., Charleston, S. C.—Wants rotary cut, single ply veneers in large quantities, 1/16 and 1/12-in. thick, preferably from gum.

Water System.—See Lighting and Water System, etc.

Water System.—Board of Robeson County Commrs., Lumberton, N. C., John W. Ward, Chmn.—Will receive bids Oct. 6 for furnishing and installing sewage water supply and sewage disposal system for County Home; Wilson, Berryman & Kennedy, Archts., 209 I. O. O. F. Temple, Raleigh, N. C.

Water Works Improvements.—See Electric Light Plant, etc.

Welding Supplies, etc.—U. S. Marine Corps, Quartermaster Dept., Washington, D. C.—receive bids Sept. 26 for 210 round iron rods; 3400 hexagon nuts; 10 lbs. cast iron welding flux; 10 lbs. brass welding flux; three pieces plate glass, etc. Sch. 175

Webbing (Khaki).—Depot Quartermaster, U. S. M. C., 1100 S. Broad St., Philadelphia, Pa.—Will receive bids Oct. 6 to furnish and deliver 25,000 yds. khaki webbing for trouser belt.

Whetstone Machinery.—Nature's Mineral Products Co., Inc., Hot Springs Natural Park, Ark.—Wants machinery to manufacture whetstones in various sizes and types.

Woodworking Machinery.—Woodstock Manufacturing Co., Center and Nassau Sts., Charleston, S. C.—Wants complete equipment for the manufacture of ply-wood veneers.

Woodworking Machinery.—N. C. McFadyen, Cameron, N. C.—Wants second-hand pony

planer suitable for dressing heading and short slats and kind of surfacer to take short lengths and dress down to 1/4-in., also light planer and matcher.

Woodworking Machinery.—O. E. Obenshain, Buchanan, Va.—Wants machinery, dry kilns, etc. for plant to make furniture, such as tables, school desks, etc.

Woodworking Machinery.—Hodgson Machinery Co., Knaffle Bldg., Knoxville, Tenn.—Wants data and prices on machinery for making wood novelties; correspond with manufacturers.

Financial News

New Financial Corporations

Ala., Tuscaloosa—National Credit Co., capital \$20,000, incorporated by W. W. Walker, V. H. Friedman, J. C. Austin.

Ala., Fort Wayne—A. B. Dabbs, Carrollton, Ala., interested in organizing Merchants' National Bank of Fort Wayne with \$50,000 capital.

Ala., Mobile—Morgan Plan Co., capital \$50,000, incorporated by C. V. and M. M. Bressler, and R. L. Blagg.

Fla., Punta Gorda—Punta Gorda Investment Co. reorganized with J. T. Swinney, Pres.; J. E. Skipper, Sec.-Treas.

Fla., West Palm Beach—Southeastern Securities Co. incorporated with Grace Jones Stewart, Pres.; W. T. Stewart, Sec.-Treas.

La., Monroe—A. & F. Investment Co., Inc., capital \$20,300, chartered with T. E. Flournoy, Pres.; Abe Arent, Sec.-Treas., 301 Hudson Lane.

La., New Orleans—New Orleans Loan & Pledge Co. Inc., capital \$10,000, chartered with C. B. Weinberg, Pres.; B. Fertel, Sec.-Treas.

Md., Hagerstown—Nicodemus National Bank of Hagerstown, organized with \$100,000 capital; Charles E. Hilliard, Hagerstown, Correspondent.

Mo., St. Louis—Curran Investment Co., capital \$10,000, incorporated by A. H. Curran, C. J. Daly, 5937 Julian St., H. D. McCabe, 5911 Julian St.

Mo., St. Louis—Waldheim, Platt & Co., capital \$500,000, chartered by Edw. G. Platt, 6159 Lindell St., Oliver B. Henry, 3904 Junata St., and Millard A. Waldheim.

N. C., Greenville—Carolina Credit Co., capital \$100,000, incorporated by W. H. Woodward, Greenville; J. R. Turnage and G. W. Prescott, Ayden.

N. C., Goldsboro—Hood Finance Corp., capital \$250,000, organized by Gurney P. Hood.

N. C., Lumberton—Mortgage Loan & Investment Co., capital \$50,000, incorporated by T. L. and E. M. Johnson, Lumberton; J. F. Johnson, Fairmont.

Okl., Oklahoma City—Southwest Finance Corp., capital \$100,000, incorporated by Wm. W. Edwards, 218 W. 18th St., Nellie B. Seothern and others.

S. C., Columbia—M. K. Jeffords & Co., capital \$25,000, incorporated by M. K. Jeffords, George R. Norris.

S. C., Union—Life Insurance Co. of America, capital \$10,000, incorporated by F. J. Parham, R. P. Morgan and Edward B. Smith.

Tenn., Caryville—First State Bank of Caryville, capital \$25,000, organized with Dr. R. L. Gallagher, Pres.; W. H. Richardson, Cashier.

Tenn., Knoxville—American Treaty Fire Insurance Co. organized with \$500,000 capital; W. P. Cole, St. James' Hotel, interested.

Tex., Houston—Sam Houston Trust Co., capital \$100,000, incorporated by L. R. Bryan, Walter Johnson and March Culmore, 401 Pierce St.

Tex., San Antonio—R. M. Coleman, Inc., chartered by R. M. Coleman, L. C. Stevens, Beverly Randolph.

Va., Bluefield—Coal Fields Insurance Co., Inc., capital \$75,000, chartered with James H. McNeer, Pres.; V. L. Sexton, Sec.

Va., Schuyler—Bank of Schuyler, Inc., capital \$15,000 to \$25,000, chartered with J. H. Wright, Pres., Alberne; J. H. Wright, Jr., Sec., Charlottesville.

New Securities

Ala., Anniston—Street Improvement—City, J. L. Winkle, Mayor, will receive bids Oct. 3 for \$100,000 5 1/2% \$1000 denom. bonds.

Ala., Birmingham—Library—City, L. E. Gray, Clk., sold \$640,000 5% \$1000 denom. bonds jointly to Ward, Sterne & Co., Birmingham, and Steiner Brothers, at premium of \$5100.

Ala., Birmingham—School—City, Comn., L. E. Gray, Clk., sold \$1,020,000, 5% bonds jointly, to Marx & Co., Birmingham, and Caldwell & Co., Nashville, Tenn., at premium of \$5600 and accrued interest.

Ala., Birmingham—Public Improvement—City sold \$200,000, 5 1/2%, \$1000 denom. bonds, to Ward, Sterne & Co., Birmingham, at premium of \$5525.*

Ala., Mobile—Municipal Improvement—City will receive bids Oct. 7 for \$485,000 bonds; S. H. Hendrix, City Clk.*

Ala., Mobile—Public Improvement—City, R. V. Taylor, Mayor, will receive bids Sept. 30 for \$112,000 5% bonds.

Ala., Tuscaloosa—Water-Works—City will vote Oct. 20 on \$250,000 bonds. Address The Mayor.*

Ark., Fort Smith—Water Works—City, D. L. Ford, Mayor, will receive bids Oct. 17 for \$175,000 bonds.

Ark., Mena—Water Works—City sold \$25,000 bonds to M. W. Elkins & Co., Little Rock Ark., at 98.60.

Ark., Powhatan—Road—Lawrence County sold Hoxie Improvement Dist. No. 2 bonds to Planters National Bank of Walnut Ridge.

D. C., Washington—Southern Ry. Co., R. Hayes, Struct. Engr., requested authority Interstate Commerce Comn. to issue \$7,050,000 4 1/2% equipment trust certificates.

Fla., Clearwater—Road—Pinellas County, Largo Dist. voted \$400,000 bonds; Clearwater Dist. voted \$198,000 bonds; John N. Brown, Clk. of Circuit Court.*

Fla., DeLand—School—Board of Public Instruction, V. W. Gould, Chmn., will receive bids Oct. 9 for \$40,000 6% \$1000 denom. Special Tax School Dist. No. 32 bonds.

Fla., DeLand—School—Volusia County Board of Public Instruction, Geo. W. Marks, Sec., will receive bids October 9 for \$7000 6% Special Tax School Dist. No. 32 bonds.

Fla., Miami Beach—Municipal Improvement—City voted \$177,000 bonds, including \$125,000 water mains extension, \$5000 additional fire equipment, \$25,000 sanitary sewers, \$7000 streets and sewers, \$15,000 municipal machine shop and storage room. Address The Mayor.

Fla., Ocala—Municipal Improvement—City, H. C. Sistrunk, Clk., will receive bids Oct. 7 for \$320,000 5% bonds, including \$200,000 street improvement, \$75,000 sewerage, \$40,000 water main extension and \$5000 park.*

Fla., Ocala—School—Marion County sold

\$100,000 5½% \$1000 denom. bonds to Ryan, Bowman & Co., Toledo, Ohio.

Fla., Sanford—Road—Chamber of Commerce Good Roads Committee proposes \$1,000,000 bond issue.

Fla., Sarasota—Bridge—City, E. J. Bacon, Mayor, will call election on October 6 on \$25,000 bonds.

Fla., Tampa—City, Wm. Duncan, Clk., will receive bids Sept. 30 for \$1,000,000 5½% bonds.

Fla., West Palm Beach—Inlet—Palm Beach County, Lake Worth Inlet Dist. Board of Comms., C. H. Ellis, Sec.-Treas., voted \$410,000 bonds; will receive bids Oct. 6 for \$410,000, 5½% bonds.*

Ga., Americus—Street Paving—City contemplates voting on \$100,000 4% bonds; J. Elmore Poole, Mayor.

Ga., Clio—School—City sold \$12,000 6% Consolidated Local Tax School Dist. bonds to Citizens & Southern Co., Savannah.*

Ga., Covington—Road—Newton County voted bonds. Address County Comms.

Ga., Hinesville—Courthouse—Liberty County will vote Nov. 4 on \$50,000 bonds. Address County Comms.

Ga., Ludowici—Courthouse, Jail—Long County voted \$50,000, 5% bonds, including \$40,000 courthouse and \$10,000 jail. Address County Comms.*

Ky., Ashland—School—City plans \$300,000 bond issue. Address John Woods, Pres. School Board.

Ky., Ashland—Municipal Building—City will vote Nov. 4 on \$200,000 bonds. Address Mayor Salisbury.

Ky., Georgetown—Bridge—Scott County sold \$85,000 5% bonds to Weil, Roth & Irving Co., Cincinnati, Ohio, at premium of \$2992.*

La., Amite—Road—Tangipahoa Parish Police Jury, F. C. Weist, Sec., will receive bids October 14 for \$170,000 5½% \$1000 denom. Consolidated Road Dist. B Series 2 bonds.

La., Natchitoches—Road—Natchitoches Parish Police Jury will receive bids Oct. 6 for \$1,000,000 bonds.

La., Napoleonville—Drainage—Assumption Parish, Drainage Dist. No. 2, will receive bids Sept. 26 for \$100,000 6% \$1000 denom. bonds; R. C. Martin, Pres.

La., New Orleans—Road Improvement—Jefferson Parish sold \$500,000 5% bonds to Hibernia Securities Co., New Orleans, at par, accrued interest and premium of \$8016.

La., New Orleans—Texas and Pacific-Missouri Pacific Terminal R. R., New Orleans, requested authority Interstate Commerce Comm., to issue and sell \$5,000,000, first mortgage 5½% gold bonds; issue to be sold to Kuhn, Lobe & Co., at 97.5 per cent of par.

La., Schriever—Drainage—Board of Comrs. of Lafourche-Terrebonne Drainage Dist., M. J. Palmer, Sec.-Treas., Schriever, will receive bids September 29 for \$175,000 5% bonds.

Md., Westminster—Road—Carroll County Comms., Samuel T. Stone, Clk., will receive bids September 30 for \$39,000 4½% \$1000 denom. bonds.

Miss., Jackson—School—City, Walter A. Scott, Mayor, plans \$400,000 bond issue.*

Miss., Marks—Light and Water—City will vote September 30 on \$35,000 bonds. Address The Mayor.

Mo., Independence—Jackson County, J. H. Fayman, County Treas., sold \$550,000 3% County Tax Anticipation Notes to First National Bank of Kansas City.

Mo., St. Joseph—Lighting Plant—City will vote Nov. 18 on \$300,000 bonds. Address The Mayor.

Mo., Washington—Water—City sold \$65,000 5% \$500 denom. bonds to Mercantile Trust Co., St. Louis.

N. C., Ahsokle—Paving—Town authorized \$65,000 bond issue. Address The Mayor.

N. C., Albemarle—School—Town, L. C. Russell, Clk., will receive bids this week for \$100,000 6% bonds.

N. C., Beaufort—School—Carteret County Comms., John W. Hamilton, Clk., will receive bids Oct. 1 for \$15,000 6% White Oak Township Consolidated School Dist. bonds.

N. C., Buie's Creek—Electric Light—City voted bonds. Address The Mayor.

N. C., Currituck—Tick Eradication—Currituck County Comms., Jas. A. Taylor' Clk., will receive bids Oct. 13 for \$16,400 6% bonds.

N. C., Davidson—Street Improvement, Water and Light—City sold \$50,000 6% bonds to Kinsey & Co., Toledo, Ohio, at premium of \$1,202.50.*

N. C., Durham—Municipal Improvement—City will receive bids Oct. 6 for \$1,300,000 5% \$1000 denom. bonds, including \$100,000 street improvement, \$1,000,000 water works extension and \$200,000 public improvement; C. B. Alston, City Clk.*

N. C., Ellenboro—Electric Light & Power—City will sell \$10,000 bonds; O. R. Coffield, Mayor.

N. C., Greensboro—Municipal Improvement—City authorized \$1,150,000 bond issue, including \$500,000 street extension and improvement, \$200,000 water system extension, \$100,000 sewer system extension and \$350,000 municipal building; P. C. Painter, City Mgr.

N. C., Greenville—Light and Power—Pitt County sold \$25,000 bonds to Greenville Banking & Trust Co.

N. C., Jackson—Northampton County Comms., S. J. Calvert, Clk., will receive bids Oct. 6 for \$33,000 6% \$1000 denom. Conway Special School Dist. bonds.

N. C., Lillington—School—Harnett County Comms. will receive bids Oct. 6 for \$70,000, 6%, \$1000 denom. school building bonds; W. H. Faucette, County Register of Deeds.

N. C., Madison—Paving—City sold \$40,000 6% bonds to David Robinson & Co., Toledo, Ohio, at premium of \$948.

N. C., Mt. Airy—School—Board of Comms., F. M. Poore, Sec., sold \$33,500 5½% bonds to Drake-Jones Co., Minneapolis, Minn., at premium of \$1243 above par and accrued interest.

N. C., Nashville—Road—Nash County sold \$140,000 5% \$1000 denom. coupon bonds to Seasongood & Mayer, New York.

N. C., Roxboro—Water and Sewer—City sold \$100,000 bonds to Davies-Bertram Co., Cincinnati, at par.

N. C., Wake Forest—Street Improvement—City, E. W. Timberlake, Clk., will receive bids Oct. 21 for \$65,000 6% bonds.

N. C., Wilkesboro—Sewer—City sold \$16,000 6% bonds to J. C. Mayer & Co., Cincinnati, Ohio, at par.

N. C., Washington—Drainage—Board of Drainage Comms. of Albemarle Dist., W. H. Williams, Chmn., will receive bids Sept. 29 for \$250,000 6% refunding and maintenance bonds.

Okla., Brame—Municipal—City will vote Oct. 3 on \$55,000 bonds, including \$15,000 for electric light, \$15,000 water-works, and \$25,000 sewer. Address The Mayor.

Okla., Holdenville—Road and Bridge—Hughes County sold \$200,000 5% bonds to Taylor-White Co., Oklahoma City, at \$202.825.

Okla., Norman—University—State Board of Affairs, J. S. Buchanan, will sell \$300,000 bonds.

S. C., Cayce—School—Cayce-New Brook-

land School Dist. will vote on \$20,000 bonds; G. W. Nichols, Supt., New Brookland.

S. C., Columbia—School—City sold \$156,855 bonds to C. O. McNear & Co., Chicago.

S. C., Columbia—Courthouse—Richland County Comms., John J. Earle, Chmn., will call election Oct. 7 to vote on \$500,000 bonds.

S. C., Fort Mill—Water Works Improvement—City, W. R. Bradford, Mayor, will receive bids Oct. 7 for \$10,000 6% bonds.

Tex., Alice—School—Alice Independent School Dist. voted \$75,000 bonds. Address Board of Education, W. L. Burton, Sec.*

Tex., Beaumont—Road—Jefferson County contemplates voting on \$1,000,000 bonds. Address County Comms.

Tex., Brownsville—Rio Grande Ry., C. S. Hobbs, Ch. Engr., Brownsville, applied to Interstate Commerce Comm. for permission to float \$440,000 bond issue.

Tex., Caldwell—Sewer—City voted \$45,000 bonds. Address The Mayor.*

Tex., Dallas—Texas & Pacific Ry. Co., E. F. Mitchell, Ch. Engr., Dallas, requested permission Interstate Commerce Comm. to issue \$4,400,000 6% secured gold notes, and to pledge as collateral \$5,500,000 general and refunding mortgage 6% gold bonds.

Tex., Edinburg—Flood Control—Hidalgo County sold bonds to J. L. Arlitt & Co., Austin, at par and accrued interest.

Tex., Eastland—Road—Eastland County, Desdemona Dist., voted \$50,000 bonds. Address County Comms.

Tex., Galveston—Water Works and Paving—City, Anne C. Kelley, Sec. Board of Comms., sold \$100,000 water works reservoir bonds to United States National Bank, Galveston, at par and accrued interest; rejected \$300,000 paving and street improvement bonds.*

Tex., Harrisburg—School—City, Independent School Dist. votes Sept. 30 on \$350,000 bonds. Address Pres. School Board.

Tex., Hemphill—Road—Sabine County, Bronson Special Road Dist., voted \$75,000 bonds. Address County Comms.

Tex., Houston—City Auditorium—City, O. F. Holcombe, Mayor, contemplates voting on \$250,000 bonds.

Tex., Kenedy—Paving—City sold \$17,000 bonds to H. D. Crosby & Co., San Antonio, Tex.

Tex., Paris—Charity Hospital—Lamar County Comms. Court will call election October 4 on \$125,000 bonds.

Tex., Waxahachie—Road—Ellis County Italy Dist., contemplates voting on bonds; W. A. Spalding, Engr.; H. R. Stovall, Judge.

Va., Portsmouth—Road and Bridge—Norfolk County Board of Suprs., G. Taylor Gwathmey, Clk., will receive bids Oct. 14 for \$200,000 5% \$1000 denom. bonds.

W. Va., Huntington—School—Westmoreland Dist. voted \$100,000 bonds. Address Pres. School Board.

W. Va., Wayne—Road—Wayne County Court, Westmoreland Dist., will call election Oct. 11 to vote on \$70,000 bonds.

Financial Notes

Harold W. Wells, 204 N. 16th St., Wilmington, N. C., purchased insurance business, except fire insurance, of James & James, Inc., Southern Bldg., and entire insurance business of Struthers and Wells, 210 Princess St.; associated with Mr. Wells will be Theodore S. James, formerly manager of insurance departments of James & James, Inc.

First National Co., Sarasota, Fla., plans increasing capital \$100,000.

Southland Bond & Mortgage Co., Stuart, Fla., merged with Fort Pierce Bond & Mortgage Co., Fort Pierce, Fla., with \$100,000 capital and Major W. I. Shuman, Pres.

Trade Literature

Interesting School Bulletin

Bulletin 247 of the Osgood Company, Marion, Ohio, not only notes the introduction of Osgood continuous treads for railroad type shovels, but it presents a brief history of the development of standard railroad shovels. This includes a picture showing the first type of shovel made by the company and used in 1880. There are many other illustrations representing their up-to-date shovels as they appear when engaged upon different kinds of jobs.

A Fine Calendar With Thermometer.

Becker Bro. & Son, Inc., since 1865 manufacturers of wooden boxes, Baltimore, Maryland, have issued an exceedingly useful and attractive calendar and thermometer, the latter being of metal and glass. The calendar, which is perpetual by means of cards bearing the names of the days of the week and of the months, and the dates thereof, is in two racks just below the dial of the thermometer. The entire combination measures 13½ by 8½ inches and it is provided with a small chain by which it may be suspended against a wall for office or other use. The surfaces are of a rich, dark shade, making it ornamental as well as useful.

Steel Fabric Reinforcement.

The National Steel Fabric Company, Pittsburgh, Pa., has issued a complete circular containing full particulars with illustrations concerning their steel fabric for the reinforcement of concrete sidewalks, driveways, floors etc., showing its advantages in a convincing manner. It says, that dangerous, unsightly and expensive cracks and breaks in such concrete work can be prevented absolutely by the use of this fabric when the concrete is laid. This product is a mesh or network of cold drawn, electrically welded, steel wires of great tensile strength and it is made in styles suitable for reinforcing every type of cement, stucco and plaster construction.

Automatic Control of Combustion.

Catalogue No. 99 of the Carrick Engineering Company, Chicago, Ill., relates to the automatic control of combustion. It is a very thorough discussion of automatic-control methods and systems, pointing out the limitations of various systems of control and showing why they sometimes fail. It analyzes conditions to be encountered in co-ordinating steam supply with demand and gives some very interesting charts of steam pressures. It is stated that the fallacy of close steam regulation is exploded and the comparison between damper position and steam pressure is brought out in a manner that would surprise many engineers. Copies of this 32-page treatise can be obtained from the company.

Floors With Non-Slip Surfaces.

"Norton Floors" is the name of a booklet issued by the Norton Company, Worcester, Mass., manufacturers of abrasive products, grinding machinery, refractories and floors. The first floor of this make was known as "Alundum Safety Tile" and the manufacturers say it was so successful in solving problems of slippery and fast-wearing stairs that further developments followed. Now there are floor materials with non-slip surfaces for all kinds of buildings, including the highest types of edifices in which they may be used in association with marble and other stones. The booklet gives complete information about the different kinds of tile and flooring, including mosaic tile and treads for stairs. It is copiously illustrated.

Improved Flooring In Colors.

The Master Builders Co., manufacturers of concrete hardeners and builders specialties, Cleveland, Ohio, have issued a new edition of the Architects Handbook describing Colormix and Colormix floors. This product is a concrete hardener, waterproofer and dustproofer in permanent colors. The pictures of actual installations of these floors in prominent buildings in various parts of the country are especially deserving of attention, as the actual appearance of the floors is reproduced with great truthfulness. One of these pictures, that on the cover page, shows a terrace at the home of G. F. Montgomery, Marietta, Ga. Another shows a floor at White Sulphur Springs, W. Va., and a third represents a business installation at St. Louis.

Chain Grate Stoker Catalogue.

Catalogue L (third edition), issued by the Illinois Stoker Company, Alton, Ill., is devoted to illustrating and describing the Illinois chain-grate stokers with dampered air control—Type A, natural draft, and Type G, forced draft. This large and beautifully made book of 62 pages embodies a complete discussion of its subject, and a notable feature of it is a series of blueprint drawings appearing on pages 22 to 61, inclusive, showing the use of both types of these stokers in connection with all of the principal types and makes of boilers. These illustrations, together with the comprehensive text, make the catalogue especially valuable to power-plant operators.

Micarta Gears and Pinions.

The Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa., is issuing a new publication known as Circular 1579-C on Micarta gears and pinions. Micarta is a self-sustaining, laminated product of specially-treated woven fabric, which can be machined with standard tools and equipment, and may be fabricated into various standard types of gear structure. Because of the silent, efficient and economical operation of Micarta gears, it is stated, many manufacturers are using them in place of untreated steel, cast iron and bronze gears, and they are rapidly replacing some other gears. This publication contains technical data and information on the manufacture, design and form of construction of Micarta gearing.

Tractor for General Work.

The J. T. Tractor Company, Cleveland, Ohio, has issued a large and finely illustrated folder concerning the J. T. Tractor, Model 22, which is described as being the result of years of constant effort in the development of the most practical and essential features of tractor design. It is of a size best suited for average requirements, is of the full crawler type, and weighs practically five tons when fully equipped and ready to work with water, fuel and operator. Steady and powerful drawbar pull, low consumption of fuel and oil, and other important advantages are claimed by the manufacturers. The folder also contains fifteen or more pictures showing the machine engaged on different kinds of work.

INDUSTRIAL NEWS OF INTEREST

Items of news about industrial, railroad or financial interests, building operations, construction work, municipal improvements, or the sale of machinery or the letting of contracts in the South or Southwest, are invited from our readers whether they are advertisers, or subscribers or not. We invite information of this character from readers in the North and West about their Southern business operations, as well as from Southern readers. News of value will be published just as readily when from non-advertisers as from advertisers.

Three Boilers to Be Sold.

Announcement is made elsewhere in this issue that three water-tube boilers of first-class make are to be sold, together with all high-pressure valves and connections. They are equipped with shaking grates and are in superior condition, having been used for only seven months. Further particulars will be found in the advertisement of the owners, the Independent Ice Company, Baltimore, Md.

Large Business Building to Be Sold.

Elsewhere in this issue announcement is made of the offering for sale of one of the best buildings for business purposes in Dallas, Tex., including the site. The building is 200 by 125 feet in area, with four stories and basement. It is of extra-heavy concrete construction, with electric elevators, steam-heating plant, etc. There is also a big storage yard. It has been occupied by a well-known automobile company, which is building a larger plant. Further particulars will be found in the advertisement.

New Unit Heater.

A direct-fired furnace unit heater, featuring reliability and economy in operation and of particular value to small shops, garages, warehouses, store rooms or rural school buildings where steam is not available, is being introduced by the Buffalo Forge Co., Buffalo, N. Y. It is complete in itself and may be installed and operated in a few hours. No connections are required other than those to the lighting circuit for the motor. It will burn any kind of fuel, either anthracite or bituminous coal, coke, wood, oil or gas. The furnace itself is of standard hot-air type with galvanized steel casing. A

special feature of the casing is a series of baffles which keep the air in intimate contact with the fire pot, producing high-heat transmission. The fan supplied is of the Buffalo "Breeze" type driven by a totally enclosed motor.

Changes Announced.

Manning, Maxwell & Moore, Inc., J. M. Davis, president, have issued cards announcing the following changes as of September 10: Percy M. Brotherhood, consulting engineer, and Frank J. Baums, vice-president in charge of the machinery department, both at 100 East 42nd St., New York, and Augustus Wood, works manager, Putnam Machine Company, Fitchburg, Mass.

Moving Back to St. Louis.

Confirmation of reports that the sales and purchasing departments of the Winchester-Simmons Hardware Company, which were removed to New Haven, Conn., two years ago, will be returned to St. Louis, Mo., has been given in a statement issued by Paul V. Bunn, general secretary of the St. Louis Chamber of Commerce, which says that before September 30 the entire buying department of the company will be moved back to St. Louis, and that this will complete the retransfer of all executive activities which were taken to New Haven. Furthermore, it is stated that this means that actual authority over all buying and distribution, not only for the St. Louis house but for nine other houses operated by the company, will be centered in that city. It is claimed that this will make St. Louis the hardware center of the world, with total purchases of \$75,000,000 a year, as there are three other big hardware concerns there.

Sell and Grow

Progressive Business is a train of departments pulled by a twentieth century selling engine. Production, generally, is limited only by the capacity to sell. *To sell is to grow*—in size, in profits, in power to serve.

Growth is the evidence of the healthy turnover of working assets. It is accompanied by decrease in unit costs—selling and production. Larger profits can be taken, or selling prices reduced, to increase sales.

As fundamental to Growth, modern management applies scientific Market Analysis and sound methods of Cost Accounting. One gives the sales department absolute knowledge in place of impressions; points the way to efficient selling plans and successful selling action. The other furnishes the management facts and figures from every department—the timely, dependable guides to safe and steady progress.

It has been the pleasure of the Ernst & Ernst organization to cooperate with firms, nation-wide, in establishing the simplest and most economical methods of Market Analysis—eliminating waste fields in selling; and sound methods of Cost Accounting—furnishing the power to control inventories.

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WACO

TAX OFFICE: 910 TO 916 MUNSEY BLDG., WASHINGTON, D. C.

Seeking to Increase the Demand for Cotton by Wide Publicity.

Southern Alluvial Land Association.

Memphis, Tenn., September 19.

Editor Manufacturers Record:

Your editorial comment in the issue of September 4, "How to Increase the World's Demand for Cotton," is intensely interesting. It ought to be placed before every cotton grower, manufacturer and other person or firm in any way concerned with the demand for cotton and cotton goods.

It will interest you to know that we have been making an inquiry and an investigation into this very subject of advertising cotton. However, we have concerned ourselves more with the belief that an advertising campaign will be the one and only means by which the market for long-staple cotton as against all cottons, may be improved.

The Memphis territory is pre-eminently a potential producer, and an actual producer in a very large way, of long-staple cotton. As is well known, this cotton requires a very fertile soil and certain climatic conditions, which exist to a nicety in the famous "delta," or alluvial soil portions of the immediate lower Mississippi Valley. Not only can a very fine staple be produced, but the yields are and can be made very large indeed. Instances are not unusual of the growing of a bale to a bale and one-half per acre. This is not the rule, of course, but it is an indication of possibilities.

A few years ago the long-staple cotton from this region had a great sale to the manufacturers of automobile tires. The great strength made it ideal for cord tires. The result of this demand was a handsome premium for the longer cottons. In the last few years the tire manufacturers have not been using long cotton, but have gone back to the short, and there is now a very small premium for the finer staples. The result is that, with the greater difficulty in producing it and getting a sure crop, cotton growers are getting away from the longer and turning to the more easily produced short cottons. The long cotton requires some two weeks longer to make; the seed and handling are somewhat more expensive, and, being slower in maturing, the margin of safety from the boll weevil is so small as to present a risk—and the grower is not going to take more chances than he is forced to take. In the end he gets but a few cents more for his long cotton than for his short.

There ought to be a better market for this better cotton than now exists. There ought to be many uses to which it can be put because of its superiority. Perhaps it can be utilized for making the highest grades of cotton goods, such as voiles. We believe so. We believe that, with proper exploitation, it can assume very nearly the importance of silk in the making of the finer goods, for which silk is more and more used. I believe it is said that, while this country's wealth has increased threefold and its consumption of silk nearly 200 per cent, including the artificial silk, whose sale reached 40,000,000 pounds last year, the per capita use of cotton in 20 years has stood at 29 pounds. In other words, no more cotton is used now than in 1904, when we were about one-third as able to buy and when the buying public was considerably less numerically.

Would a heavier import tax on raw silk help solve the trouble, or should the finer cottons be advertised and pushed on their merits?

We are inclined to believe from our inquiries thus far that the solution rests in advertising—in printer's ink—and your editorial of September 4 does much to substantiate that belief. Of course, it is a big undertaking and it should be undertaken in a big way. A very firm and carefully laid foundation should be begun with a view to years of activity. It is a task that would require more than weeks or months.

Our only interest in delving into the subject is to arouse

interest and thought along this line. It should be carried to the manufacturers, to the ready-to-wear people, to the fashion people. The growers ought to get in line behind such a movement.

We hope to be able to offer some worthwhile suggestions as a result of the investigation now under way, and, while a considerable expense must be borne and a great deal of intelligent work done, we feel that both will be fully justified even though we expect to offer the results for what they be worth. There must be a beginning and some one must make it.

Constant and consistent notices—the sowing of good seed—such as in the article in the *MANUFACTURERS RECORD* September 4, will do a tremendous amount of good.

C. E. COLLINS.

Railroad Educates Men for Positions.

Atlanta, Ga., September 20—[Special.]—The Central of Georgia Railway, co-operating with the Georgia School of Technology, in Atlanta, has worked out a method by which employees of the company can secure a college education and still retain their positions with the company. The officials of the technology school about a year ago devised a special course in engineering for railroad men, called a "co-operative engineering course," and the Central of Georgia selected a number of promising young men to take it.

Any young man working for the Central of Georgia who wishes to receive a higher education and fit himself for a better position may apply to the railway for a co-operative job and the right to attend the Georgia School of Technology. He must be a graduate of high school, for the school refuses to admit any one to its engineering courses without that foundation. Also, he must be recommended by the head of the department in which he works. Only a limited number of picked men are sent by the road to take the engineering courses. These men work one month and study one month—for every position filled by the co-operative course men, there are two men, and while one works at the job the other studies at Tech.

The co-operative student gets no vacation, but works and studies every other month throughout the year. But even at that he cannot keep up with the men in the regular college courses, so it requires six years to get a degree in this manner. At the end he is ready to step into a position waiting for him with the railway, paying from \$150 to \$200 a month at the outset. The Central of Georgia pays these young men more than they could ordinarily earn in the shops and offices of the company. It furnishes them with transportation to and from work and once a year it gives them all a picnic at Tybee or some well-known Georgia resort. The plan is one which enables the railway to give men a technical education and a practical training at the same time and at a very low cost.

Plans for \$300,000 Mill.

Winston-Salem, N. C.—Plans for the new mill here for the Hanes Finishing Co., estimated to cost \$300,000, will be drawn by the Charlotte office of Lockwood, Greene & Co., engineers, of Boston and Atlanta. Robert N. Hanes and Ralph T. Chatham, both of this city, are largely interested in the new enterprise. H. A. Jolitz, who is also a stockholder in the company, will be manager of the finishing department.

The William P. McDonald Construction Co., Lakeland, Fla., has submitted lowest bid, at \$324,075, to the State Highway Department, Tallahassee, for the construction of 10.445 miles of sheet asphalt road on state highway No. 2, between Ocala and Lowell, Fla.

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We extend the facilities of our organization to those desiring detailed information or reports on any of the companies with which we are identified.

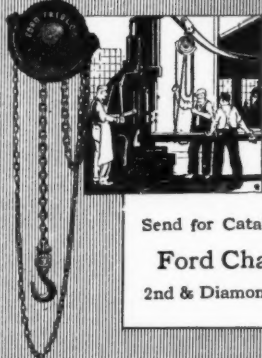
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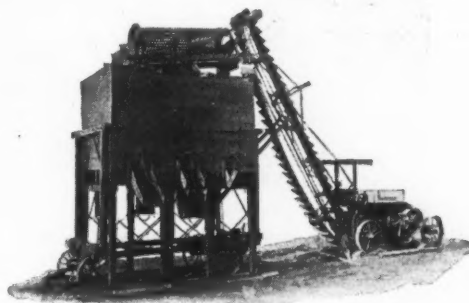


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The make-up man at McGraw-Hill Publishing Co. picked up the telegram, glanced at the clock and leaned toward the P-A-X telephone. With two quick turns of its dial he secured a direct connection with the press room foreman. "Correction on the Burns Boiler ad on page 85 of 'Power'. Add over the logo, 'Write for new Catalogue and Prices'."

"I got it," said the foreman, and he snapped down the receiver and ran his finger along the press schedule. Turning back to the P-A-X phone he "dialled" the composing room and repeated the correction.

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The P-A-X saves 18 seconds on every call because it gives instant, accurate and automatic connections. There is no operator to delay or to give the wrong number.

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Besides Interior Telephony, the Automatic Electric Services of the P-A-X include and co-ordinate Code Call, Conference Wire, Executives' Priority Service, etc.

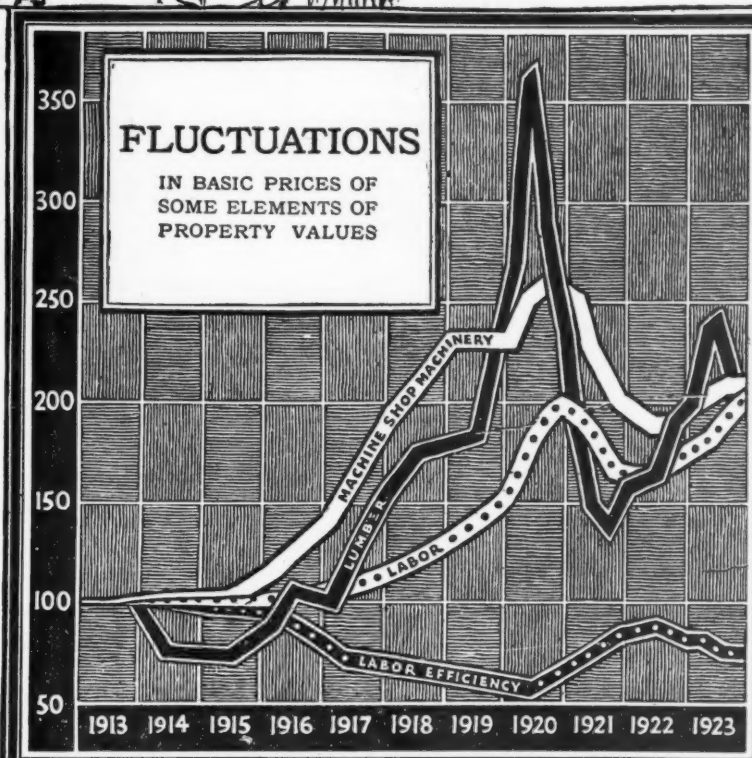
The P-A-X is similar to the Automatic Telephone equipment being so widely adopted for city service. It augments and completes but neither supplants nor connects with local or long distance telephone service.

Automatic Electric Company

Originators of the P-A-X. For more than 30 years the engineers, designers and manufacturers of the Automatic Telephone in use the world over. Home Office and Factory, Chicago, Ill. Branch Offices: NEW YORK, 21 East Fortieth St.; CLEVELAND, Cuyahoga Bldg. Representatives in all principal cities. In Canada—Address: Northern Electric Co., Ltd., 121 Shearer St., Montreal, P. Q. Abroad—Address: International Automatic Telephone Co., Norfolk House, Norfolk Street, Strand, London, W. C. 2, England. In Australia—Address: Automatic Telephones, Ltd., Mendes Chambers, Castlereagh St., Sydney, Australia.

P-A-X
TRADE MARK
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Insurance protects values, not properties. A policy cannot "cover" a particular building, unless it covers the full value of that building and its contents.

To properly insure, the value must be definitely known. To collect in case of loss, the value must be provable.

In spite of this, two businesses out of every three guess at the value and have little or no proof for it.

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Businesses that base their insurance on continuous American Appraisal service are always in a position to know and prove "actual cash value" at the time of the fire.

They make sure of adequate coverage. They also make sure of collecting losses promptly—even if their own records have been completely destroyed.

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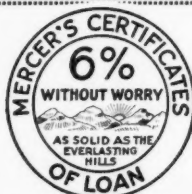
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There are securities and securities—but here is one 22 years old—absolutely safe—capital always available without loss. \$100.00 and up. References—any Bank and Trust Company in Savannah, Ga. Send for Booklet.

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We are interested in the purchase of Southern Municipals including road, school, county, drainage and levee bonds.

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The First National Bank offers complete facilities for quick collections in this territory.

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Resources over \$30,000,000
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The older generation recognizes, with pleased surprise, that Miller First Mortgage Bonds are a familiar type of investment. The safety and soundness of first mortgages on real estate are a family tradition.

And the rising generation, still demanding safety and a good rate of interest, is putting millions of dollars into first mortgages, but in the modern form—bonds with semi-annual coupons attached—denominations of \$100, \$500, \$1,000—maturities 2 to 15 years—no bother to keep, no details to watch.



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Here are four good things to look for in first mortgage bonds—you will always find them in Miller Bonds: (1) Appraisals of property furnished by independent, local authorities and printed in full in the descriptive circular; (2) Moderate sized bond issues (averaging \$500,000) secured by easily managed properties; (3) Bank certification—a certificate of genuineness on each bond, signed by a bank; (4) The full, normal rate of interest paid by the borrower is passed on without deduction to the investor.

Miller First Mortgage Bonds are especially attractive to Southern investors, because they are created by a Southern banking house and the great majority of them are secured by property in Southern cities. We will gladly forward, on request, a folder, "Why The South Offers Investment Opportunities." Mail the coupon today.

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No Investor Ever Lost a Dollar in Miller Bonds

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Please send descriptive circular of a 7% Miller Bond issue, with folder, "Why The South Offers Investment Opportunities."

Name City

Address State

Fiber for Binder Twine from Texas.

By W. D. HORNADAY.

Recent announcement by Cayetano Garza, millionaire fiber grower and ranchman of Victoria, Tamaulipas, Mexico, that he has taken steps to establish a henequen plantation of several thousand acres in the Gulf coast region of Texas is of international interest. Development of the industry may ultimately result in the production of sufficient domestic fiber in the United States to supply a considerable part of the enormous demands for binder twine of the wheat farmers and growers of other grains, according to Mr. Garza.

If the assertion of Mr. Garza that henequen may be successfully grown in Texas proves correct, it will open the way for the development of an industry that has brought millions of dollars revenue to the planters of the state of Yucatan. It was not until about 20 years ago that the growing of the fiber plant, known as zapupe—closely akin in all respects to the henequen plant—was started on a commercial scale in northern Mexico, especially in the vicinity of Victoria, about 150 miles south of the Texas border. It is stated that the zapupe has the valuable distinction of being a hardier plant than henequen; that it will withstand considerable freezing weather without being damaged, and that it is adapted to the more northern regions of Mexico. Of late years the zapupe has also come to be called henequen, and it is said that it is this species which Mr. Garza purposes to grow in Texas.

When the fact is considered that more than 100,000 tons of binder twine are used annually in the harvest fields of the United States and Canada, the importance of any experiments that may be made in growing a domestic supply of the fiber may be realized. For several years conditions in Yucatan have been so disturbed and the henequen industry there so upset that binder-twine manufacturers of the United States have at times been in a quandary as to where their supply of sisal fiber for the manufacture of twine was to come from, and development of a domestic source of supply in Texas would be a welcome relief of the uncertainties of the market situation that arise from time to time. One of the largest manufacturers of binder twine in the United States has been experimenting in the growing of henequen and other fiber-producing plants in various parts of the world for more than 30 years, but as yet it has found no place as ideally adapted naturally to the industry as Yucatan, it is stated.

This concern purchased 400,000 acres of land in the peninsula of Lower California about twenty-five years ago and planted an enormous area in young henequen plants which were brought there from Yucatan. Not a drop of rain fell upon the plantation for seven years and all the plants died. In the light of its failures to develop new sources of supply for the fiber, this big binder-twine manufacturing company does not have much faith in the possibilities of producing sisal on a commercial scale in Texas.

The people who form the principal laboring element of Yucatan are Maya Indians and are amiable, cleanly, industrious and capable. Although rather undersized, they are well formed and very powerful. They are trustworthy and faithful, and perform the labor required in that country better, perhaps, than any people who could be secured for the purpose. The plantations are usually large and, in consequence of their size, somewhat isolated. A plantation consists of several thousand acres of land, only a part of which is cultivated.

The Banks-Pistole Co., Norfolk, Va., has awarded contracts for the construction of seven miles of 13,000-volt transmission line and sub-stations for the town of Robersonville, N. C., and for a transmission line and town distribution system for the town of Pantego, N. C.

"Sell" Your Product to the Public by Creating New Interest and New Demand.

Atlanta, Ga., Sept. 10—[Special.]—That the manufacturer this year will find himself dangerously near the "saturation point" and that he must endeavor to increase his sales, not through increasing his production and reducing prices but through finding new uses for his products, is the opinion of Ivan Allen, prominent Atlanta stationer and president of the National Association of Stationers, Office Outfitters and Manufacturers. In an address to the office-supply manufacturers he said:

"There has been a great increase in our 'machinery of production,' and it is safe to say that at the present time our plants could very easily produce 25 per cent more goods than the public could consume. In other words, we are dangerously near the 'saturation point,' as I might call it, and manufacturers must watch their step if they do not want prices to come tumbling upon their heads this winter.

"The immediate danger is in a tremendous increase of production and lowered prices, made with the idea of increasing sales and so increasing profits. The ultimate salvation lies in the opening of new markets for the goods now being manufactured. Any increase in production and reduction in price, with the hope of increasing the volume of sales, would be, I am convinced, fatal to the manufacturer attempting it this fall or winter. Let me illustrate:

"On my desk is a good inkstand which retails in this store for \$5. Now, what would happen if the manufacturer of that inkstand should decide this fall to make 1,000,000 stands, instead of 500,000 and reduce the price from \$5 to \$2.50 apiece? Would he sell any more inkstands? No, because the public has all the inkstands it can use. It can't find any more uses for inkstands at present. It wouldn't buy any more if he reduced the price to 50 cents apiece. He wouldn't increase his sales a particle. Would he induce the dealers to handle more inkstands—to make more of an effort to sell them? Again no, because he has reduced the price to half, and in so doing has reduced the dealer's profit 50 per cent. The dealer won't make as much effort to sell those stands under the new price as he was making under the old. The manufacturer hasn't succeeded in getting closer to the buying public, but he has succeeded in doing something for which his dealers will not thank him. Probably, he would be left with 500,000 inkstands he would have to dispose of, and sooner or later he would be compelled to throw them on the market and get what he could for them. And when he did so the prices on inkstands would break and he might be ruined. The same is true of any manufacturer, I care not what he makes.

"This is not the time for increasing production and lowering prices?

"What is the answer? Find new uses for your products.

"Some years ago the Procter & Gamble Company was up against just this kind of a proposition. It was making more Ivory Soap than it could sell. The saturation point had been reached. In vain it lowered prices; it could not sell an extra bar of soap by lowering prices and increasing production. Finally, it hit upon the plan of offering a prize for the best new use for Ivory Soap. At once thousands of answers began to pour into the office. The company published a booklet of new uses for its product, and from that day to this it has been able to sell all the soap it could manufacture simply through the development of new uses.

"Sell the public and you sell the dealer as well, for the dealer will never buy what he cannot sell. Do not try to increase sales this year by increasing production and lowering prices. It won't work. Try, rather, to find new uses for your products by careful research, contests and the like, and then tell the public of those uses. That is the only course that can ever lead to safety."

Asks Bids on Two Projects in Grant Parish.

Colfax, La.—Sealed proposals will be received by the Louisiana Highway Commission, Baton Rouge, until October 9 on two road projects in Grant parish, embracing 10.41 miles. One covers 7.19 miles of gravel on the Colfax-Pollack highway, the other 3.22 miles on the Pollack-Jena highway. Plans and specifications may be inspected at the office of the commission in Baton Rouge.

AGAINST A "BROTHERHOOD" COAL ROAD. Interstate Commerce Commission Examiner Recommends Dismissal of Petition.

Charleston, W. Va., September 21.—[Special.]—Recommendation has been made by an examiner for the Interstate Commerce Commission that the petition of the Coal River & Eastern Railroad Company to operate two short lines serving the mines of the Coal River Collieries Company in Boone county, and connecting with the Chesapeake & Ohio Railroad, be dismissed. The petition requested that such lines be operated in interstate commerce.

The mines served are owned by members of the Brotherhood of Locomotive Engineers. The coal company so owned had sought permission to issue \$500,000 in bonds and \$250,000 in stock in payment for the railroad and with a view to operating it as a separate entity, and also with a view to securing a proportionate part of the freight revenue and thus effecting a saving in rates. There was also \$750,000 additional stock to be issued to investors through the Brotherhood Investment Company, the proceeds to be applied to completing the railroad and providing equipment.

The Chesapeake & Ohio Railway opposed the application on the ground that there was no need for the operation of the line in interstate commerce, claiming that the service furnished by it was better.

The application of the Coal River & Eastern Railroad Company was not parallel to the application of the Virginian Railway last year when the Virginian sought permission to build about a mile of line to a new operation of the Pocahontas Fuel Company, permission which was at first refused, although the new mine was about ready to operate, and then later granted. The question of building more railroad or

of extending the line of the Chesapeake & Ohio and of opening new mines is not involved, for the mines have been in operation and were shipping coal up to April 1.

Birmingham Church Considering 17-Story Building.

Birmingham, Ala.—Plans are being considered by St. John's Methodist Church here, the Rev. R. E. Tyler, pastor, for the erection of a seventeen-story building which would combine facilities for a church and provide additional space for apartments. Drawings have been submitted for such a building by Denham, Van Keuren & Denham of this city, ground floor dimensions being 110 by 125 feet, with this area running to the seventh floor. Above this floor there is space for roof gardens on two wings, with a tower in the center, 40 by 60 feet, extending to the fifteenth floor. The two remaining stories are set back ten feet on each side.

The basement of the building has been planned to contain a swimming pool, gymnasium, reading and rest rooms, while the ground floor will contain a small chapel, Sunday-school room, office of the church, parsonage and several store rooms.

New \$500,000 Cotton Mill for Texas.

Stamford, Texas—At a recent meeting in the offices of the Stamford Chamber of Commerce a proposition for the erection of a 5000-spindle cotton mill here to cost \$500,000 was presented to a number of citizens by M. F. Winfrey and others of Fort Worth, representing Eastern capitalists, who are said to be willing to make an investment in the enterprise. It is thought that local capital to the amount of \$100,000 may be subscribed for the project.



BOND ISSUES

BUILDINGS

PAVING

GOOD ROADS



PROPOSALS

Bids close October 21, 1924.

SEALED PROPOSALS, marked "Proposal for Construction of Buildings and Utilities, Rutland, Massachusetts," will be received by the U. S. Veterans' Bureau, Room 791, Arlington Building, Washington, D. C., until 11 A. M. October 21, 1924, and then and there publicly opened for the construction complete of Additions to Infirmary Building. Additions to Attendants' Quarters. Additions to Mess and Kitchen Building, Officers' Quarters. Boiler House and Bunkers. Semi-Ambulant Building, Recreation Building and Garage, also Roads and Walks at Rutland, Mass. This work will include reinforced concrete construction, hollow tile, metal lathing, slate, built-up and sheet-metal roofing, marble work, carpentry, ironwork, steel sash, plastering, painting, glazing, hardware, plumbing, heating and electrical work, outside service connections and approach work. SEPARATE PROPOSALS will be received for Building Construction, Plumbing, Heating, Electrical Work and Concrete Smoke Stack, all as set forth on proposal sheet. Proposals will be considered only from individuals, firms or corporations possessing satisfactory financial and technical ability, equipment and organization to insure speedy completion of the contract, and in making awards the records of bidders for expedition and satisfactory performance on contracts of similar character and magnitude will be carefully considered. Drawings and specifications may be obtained upon application to the Construction Division, Room 791, Arlington Building, Washington, D. C., at the discretion of the Director. Deposit with application of a check or postal money order for \$100, payable to the Treasurer of the United States, is required as security for safe return of drawings and specifications within ten days after date of opening proposals. FRANK T. HINES, Director, September 19, 1924.

RATE: 35 cents per line per insertion

PUBLICATION DAY: Thursday.

FORMS CLOSE 4 P. M., Monday.

DAY LETTER: When too late to send copy by mail to reach us by 4 P. M., Monday, forward by day letter.

THE DAILY BULLETIN OF THE

MANUFACTURERS RECORD:

Published every business day; gives information about the industrial, commercial and financial activities of the South and Southwest.

The Daily Bulletin can be used to advantage when copy cannot reach us in time for publication in the Manufacturers Record before bids are to be opened, or when daily publications are necessary to meet legal requirements.

The same rate applies—35 cents per line per insertion.

Bids close October 15, 1924.

UNITED STATES ENGINEER OFFICE, Montgomery, Ala. Sealed proposals will be received here until 11 A. M. October 15, 1924, and then opened, for one 156-foot steel hull, steam-driven, stern-wheel snag boat. Further information on application.

Bids close October 3, 1924.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., Sept. 12, 1924.—SEALED PROPOSALS will be opened in this office at 3 P. M. Oct. 3, 1924, for furnishing and delivering f.o.b., at point of destination, wire fly screening for the National Home for Lepers, Carville, La. Specifications may be obtained from the Construction Engineer at Carville, or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

Bids close October 14, 1924.

TREASURY DEPARTMENT, office of the Supervising Architect, Washington, D. C., September 18, 1924. SEALED PROPOSALS will be opened in this office at 3 P. M. October 14, 1924, for miscellaneous alterations in the Postoffice screen and providing new stamp cage, etc., in the United States Postoffice and Courthouse at Knoxville, Tenn. Drawings and specifications may be obtained from the Custodian of the building or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

Bids close September 25, 1924.

DEPARTMENT OF THE INTERIOR, Washington, September 3, 1924. Sealed proposals in duplicate will be received at the Department until 2 o'clock P. M. Thursday, September 25, 1924, and then opened, for alterations and additions to the power plant at St. Elizabeth's Hospital, Washington, D. C., in accordance with plans and specifications, copies of which may be obtained from the chief clerk of the Department. The right is reserved to reject any or all bids, to waive technical defects or to accept one part and reject the other, as the interests of the Government may require. Applicants for plans will be required to deposit with the Department a certified check for \$25, payable to the order of the Secretary of the Interior as a guaranty that the plans will be returned in good condition. Proposals must be marked "Proposal for alterations and additions to the power plant at St. Elizabeth's Hospital," and be addressed to the Secretary of the Interior, Washington, D. C. F. M. GOODWIN, Assistant Secretary of the Interior.

\$410,000 5½% Bonds.

West Palm Beach, Fla.
The Board of Commissioners of Lake Worth Inlet District, Palm Beach County, Florida, will offer for sale at public auction on Monday October 6, 1924, at Room 1, Post Office Building, West Palm Beach, Florida, \$410,000, 5½% 30 year coupon bonds of said District.

The Board of Commissioners reserves the right to reject any and all bids.

Dated, West Palm Beach, Florida, this 10th day of September, 1924.

C. H. ELLIS
Secretary-Treasurer.

Bids close September 27, 1924.

\$150,000 6% Improvement Bonds

Okeechobee, Florida.
Sealed bids addressed to the Mayor and City Council of Okeechobee, Okeechobee, Fla., will be received until 2 P. M. September 27, 1924, at Okeechobee, Fla., for the sale and purchase of Municipal Improvement Bonds of the City of Okeechobee, Fla., in the aggregate sum of \$150,000, bearing interest at the rate of six per cent (6%), payable semi-annually, said bonds to be in denominations of \$1000 each. Said bonds will be dated August 1, 1924, and will be due and payable as follows:

\$15,000 on August 1, 1924, and \$15,000 on August 1 of each and every year thereafter up to and including August 1, 1953.

These bonds will be issued under and in accordance with Chapter 8318, Laws of Florida, Acts of 1919, and Chapter 9855, Laws of Florida, Acts of 1923, and for the purpose of paying the cost of certain improvements in the City of Okeechobee, Fla.

Approving legal opinion of Caldwell and Raymond of New York City will be furnished without charge.

The right is reserved to reject any or all bids.

T. W. CONELY, JR., Mayor.
R. P. FLETCHER, Clerk.

Bids close October 1, 1924.

\$330,000 Highway Bonds

Sealed proposals will be received by the Board of County Commissioners, in care of the undersigned, in Miami, Florida, until 2 o'clock P. M. October 1, 1924, for the purchase of all or any part of the following-described bonds of Dade County, Florida: each dated October 1, 1922, each in denominations of \$1000, bearing interest at 5 per cent per annum, payable semi-annually on the first days of April and October of each year, the principal being payable on the first day of October in the years hereinafter indicated, both principal and interest being payable at the office of the United States Mortgage & Trust Company in the City and State of New York.

\$330,000 of Highway bonds maturing as follows:

\$3,000 annually A. D. 1925 to 1930, both inclusive.

\$6,000 annually A. D. 1931 to 1936, both inclusive.

\$8,000 annually A. D. 1937 to 1939, both inclusive.

\$14,000 annually A. D. 1940 to 1941, both inclusive.

\$17,000 annually A. D. 1942 to 1953, both inclusive.

\$20,000 annually A. D. 1954.

The purchaser will be furnished with the approving legal opinion of John C. Thomson, Esq., of New York City.

The foregoing bonds are general obligations of Dade County, Florida, payable from an unlimited tax upon all taxable property, real and personal, in said county. Proposals for bonds should be on a blank form which will be furnished by the undersigned upon request and must be enclosed in an envelope marked "Proposals for Bonds," and must be accompanied by a bond payable to the Board of County Commissioners of Dade County, Florida, with sureties, in an amount equal to 2 per cent of the face value of the bonds for which bid is submitted, or by certified check in like amount drawn upon a bank or trust company doing business in Florida, or upon a national bank of any place, which certified check will be forfeited to the county as liquidated damage in event the bidder fails or refuses to accept and pay for said bonds when tendered. The delivery of bonds can be made on or about October 10, 1924, in Miami or New York City; elsewhere at purchaser's expense.

The right to reject any and all bids is reserved by said Board of County Commissioners.

BEN SHEPARD, Clerk
BOARD OF COUNTY COMMISSIONERS,
Miami, Florida.

Bids close September 27, 1924.

Concrete Bridge

Arcadia, Fla.

Notice is hereby given that the Board of County Commissioners of DeSoto County, Florida, will at their office in the Courthouse at Arcadia, Florida, until 2 o'clock in the afternoon on Saturday, September 27, 1924, receive sealed bids for the building, construction and completion of a reinforced concrete bridge.

Bridge 200 feet from face to face of abutments, 18 feet clear roadway, 20 tons capacity.

Bidders to furnish own plans and specifications with proposal.

Any additional or detailed information may be obtained from Mr. C. L. Cravens, County Engineer, Arcadia, Fla.

C. E. McRAE,
Chairman of the Board of County Commissioners.

Attest:
A. L. DURRANCE, Clerk.
C. A. CREWS, D. C.

Bids close October 2, 1924.

Concrete Bridge

STATE HIGHWAY COMMISSION.

Richmond, Va., Sept. 18, 1924.

Sealed bids will be received at the office of the State Highway Commission, State Office Building, Capitol Square, Richmond, Va., until 10.30 A. M. Thursday, October 2, 1924, for the construction of:

ROUTE 251, PROJECT S-390—Reinforced conc. beam span (3-30 ft. and 2-25 ft.) Bridge over Pimmetts Run, 5 miles from Washington, D. C., in Arlington County, Va. Approx. 52,215 lbs. reinf. steel and 325 cu. yds. "A" concrete.

Proposal guaranty to be certified check, cashier's check or certificate of deposit to the amount of \$500 for bids less than \$100,000 and \$1000 for bids more than \$100,000. Proposal bonds 20% in excess of above amount may be used.

Plans and specifications are on file at the Richmond office, State Highway Department, and at the office of the District Engineer in Culpeper.

Additional plans for bidders can be secured from W. F. Hobart, 805½ East Franklin street, Richmond, Va., for 72 cents.

An engineer will be at the Continental Hotel, opposite Union Station, Washington, D. C., Thursday, 11 A. M. September 25, to show contractors over the work.

The State Highway Commission reserves the right to reject any or all bids.

H. G. SHIRLEY, Chairman.
C. S. MULLEN, Chief Engineer.

Bids close October 6, 1924.

Road Construction

Arcadia, Fla.

The Board of County Commissioners of DeSoto County, Florida, will at their office in Arcadia, Florida, until 2 o'clock in the afternoon on Monday, the 6th day of October, 1924, receive sealed bids for the complete construction of 118 miles of paved roads consisting of the following approximate quantities:

Clearing and grubbing 36 acres, grading 298,000 cubic yards, 6-inch base (lime rock or clay), 643,000 square yards, surface treatment, slag or rock, 671,000 square yards reinforced concrete pavement, 9000 square yards reinforced concrete for drainage structures, 2000 cubic yards reinforcement steel, 101,000 pounds reinforced concrete pipe, 12" 100 lineal feet in place, reinforced concrete pipe, 18" 510 lineal feet in place, reinforced concrete pipe, 24" 750 lineal feet in place, reinforced concrete pipe, 36" 280 lineal feet in place.

97,000 F. B. M. long leaf yellow pine (85% heart) for bridges.

Piling for foundations.
Plans and specifications may be obtained from the Clerk of the Board of County Commissioners upon payment of \$20, of which \$10 will be returned to bidder upon return of plans and specifications with bona fide bid.

All bids must be accompanied with certified check for \$10,000, drawn to the order of C. E. McRae, Chairman, as a guarantee that the successful bidder will enter into an appropriate and satisfactory bond and contract.

The Board of County Commissioners reserves the right to reject any or all bids.

C. E. McRAE,
Chairman of the Board of County Commissioners of DeSoto County, Fla.

Attest:
A. L. DURRANCE, Clerk.
By C. A. CREWS, D. C.

Bids close October 13, 1924.

Street Paving

Sebring, Fla.

Sealed proposal on blank form furnished by the Town and addressed to "The Mayor and Board of Councilmen" will be received until 1 o'clock P. M. October 13, 1924, at the office of the Town Clerk, Sebring, Florida, for furnishing all labor, material and equipment necessary for paving certain streets in the Town of Sebring, Florida.

The approximate quantities are as follows:

8.57 Acres Clearing and Grubbing.

26,620 Cu. Yds. Grading.

24,000 Lin. Ft. 18-in. Concrete Curb and Gutter.

49,695 Sq. Yds. 6-in. Florida Limestone or Bartow Clay Base.

400 Sq. Yds. 5-in. Concrete Base.

50,095 Sq. Yds. 2-in. Sheet Asphalt or Asphaltic Concrete Surface.

1,200 Sq. Yds. removing old shell base approximately 5 in. thick and replacing as part of new base.

525 Sq. Yds. removing old 2-in. sheet asphalt on 4-in. clay base.

5,630 Sq. Yds. removing old surface treated base approximately 4 in. thick and replacing as part of new base.

525 Lin. Ft. Adjusting present 12 in. x 5 in. straight curb to new grade.

50 Lin. Ft. Removing old 18-in. curb and gutter.

44 Manholes with necessary castings.

160 Lin. Ft. D. S. V. Clay or Concrete Pipe.

2,600 Lin. Ft. D. S. V. Clay or Concrete Pipe.

860 Lin. Ft. D. S. V. Clay or Concrete Pipe.

Each bid must be accompanied by a certified check or a satisfactory bidder's bond, made payable to the Mayor, in the amount of 5% of the bid as a guarantee that in case the contract is awarded to him he will, within ten days thereafter, execute such contract and furnish his bond for the construction of the work. The surety offered must be a guaranty or surety company authorized to transact business in the State of Florida.

Plans and specifications are on file at the office of the City Engineer, Sebring, Florida.

The Mayor and Board of Councilmen reserve the right to reject any or all bids, and to award the contract in such manner as they deem best for the interest of the town.

A. E. LAWRENCE, Mayor.
W. B. ZACHARY, Town Clerk.
JOS. W. HAWKINS, Engineer.

Bids close October 1, 1924.

Water Works Improvements

Thomasville, N. C.

Sealed proposals will be received by the City of Thomasville, N. C., until 11 A. M. October 1, 1924, for the construction of Water Works Improvements.

The work will consist of the construction of a Raw Water Pumping Station on Abbotts Creek, with pumping and electrical equipment for the same; constructing approximately five and four-tenths miles (5.4) of twelve (12) inch cast-iron water main from Abbotts Creek to the City of Thomasville; the construction of a complete Water Purification Works with Mixing Chamber, Subside Basin, Filters and Clear-Water Reservoir, together with all operating equipment and connection piping, including a Steel Wash Water Tank, complete pumping equipment and electrical connections, chemical dosing and analysis equipment, etc.

Proposals must be marked "PROPOSALS FOR WATER WORKS IMPROVEMENTS." All bids must be made on blank forms provided in copies of the Proposal, Contract and Specifications and directed to the Mayor and City Council of the City of Thomasville, North Carolina.

Each bid must be accompanied by a certified check in the amount of five (5) per cent of the amount of the bid, but in no case for less than two hundred and fifty (\$250) dollars as evidence of good faith.

Copies of the Specifications, Form of Proposal, Contract, etc., may be obtained upon application to the Engineer.

The right is reserved to reject any or all bids or to award contracts which, in the opinion of the Engineer and the City Council, appear for the best interest of the city.

T. A. FINCH, Mayor.
R. M. COOKSEY, City Manager.
WILLIAM C. OLSEN, Engineer,
Raleigh, N. C.

Bids close October 16, 1924.

Water Works, Sewers and Street Improvements

Sealed proposals will be received by the City of Punta Gorda, Florida, at the City Hall, for furnishing materials and labor for water works improvements, sanitary sewer systems and street improvements in and for the City of Punta Gorda, Florida, until 2 o'clock P. M. October 16, 1924, at which time they will be opened and read publicly.

The principal items of the work are approximately as follows:

- 3250 Feet 8" Cast-iron Pipe.
- 9500 Feet 6" Cast-iron Pipe.
- 2200 Feet 4" Cast-iron Pipe.
- 6 Tons Specials.
- 44 Valve Boxes.
- 28 Fire Hydrants.
- 6 8" Valves.
- 29 6" Valves.
- 9 4" Valves.
- 6310 Feet 8" Sewer Pipe.
- 2020 Feet 10" Sewer Pipe.
- 7770 Feet 12" Sewer Pipe.
- 300 Feet 12" Storm Drains.
- 2900 Feet 15" Storm Drains.
- 3100 Feet 18" Storm Drains.
- 700 Feet 21" Storm Drains.
- 6300 Feet 24" Storm Drains.
- 956 Feet 6" Riser Pipe.
- 6000 Feet 6" Service Pipes.
- 250 Water Service Connections.
- 1 Pumping Station Building.
- 1 270,000-gallon Reservoir.
- 1 750 G. P. M. Electric Motor-Driven Pump.
- 1 750 G. P. M. Gasoline Engine-Driven Pump.
- 1 250 G. P. M. Electric Motor-Driven Pump.
- 2 Sets 2-250 G.P.M. Sewage Pumps.
- 137 8x6 Wyes.
- 40 10x6 Wyes.
- 151 12x6 Wyes.
- 36 Manholes.
- 11 Flush Tanks.
- 2 Sewage Pumping Stations.
- 2 Septic Tanks.
- 38 Storm Manholes.
- 73 Inlets.
- 7000 Square Yards Excavation.
- 740 Lineal Feet Header.
- 29,771 Square Yards Pavement Surface, either asphaltic concrete, sheet asphalt, brick, asphalt block, concrete or alternates.
- 20,650 Lineal Feet Curb and Gutter.
- 20,650 Lineal Feet Curb (alternate.)

Each bid must be accompanied by a certified check on a bank satisfactory to the city officials, or a bidders' bond acceptable to the city officials, for five (5%) per cent of the amount bid, drawn to the order of the City of Punta Gorda, Florida.

All bids will be compared on the basis of the Engineer's estimate of the quantity of work to be done. Copies of specifications may be obtained from the Engineers upon receipt of deposit of \$5, which will be returned to bona fide bidders.

Plans may be seen at the office of the Engineers or at the office of the City Clerk, or a set will be furnished upon payment of \$15.00.

The right is reserved to reject any or all bids and the contract may be awarded in part to one or more bidders, as considered to the best interest of the city.

CITY OF PUNTA GORDA, FLORIDA.

V. J. JORDAN, Mayor.
J. R. JACK, Commissioner.
A. P. HATCH, Commissioner.
M. C. PRICE, City Manager.
J. B. MCCRARY ENGINEERING CORPORATION, Engineers,
Atlanta, Georgia.

Bids close October 7, 1924.

Channel

Lake Charles, La.

Sealed bids will be received by the Police Jury of the Parish of Calcasieu, Louisiana, until noon Tuesday, October 7, 1924, in the Police Jury Room, Courthouse, Lake Charles, Louisiana, and then and there publicly opened, for the construction of the following sections of a Navigation Channel, 30 feet deep by 125 feet wide on the bottom, from Lake Charles to the Sabine River.

SECTION 1 A.

- (1) The work of deepening Sabine River to 30 feet below mean low Gulf datum, from Station 1185-25, Calcasieu Parish Navigation Channel, south and west about 4000 feet.
Approximately 250,000 cubic yards of earth to be moved.
- (2) Then south and west across point of land 2900 feet to Sabine River at a point 700 feet north of the Calcasieu-Cameron Parish line.

Approximately 500,000 cubic yards of earth to be moved.

SECTION 7.

- (1) The work of deepening Calcasieu River to 30 feet below mean low Gulf datum, near Calcasieu Landing, in Moss Lake, west of Old Cut Off below Lake Charles, from upper end of Old Cut Off to point 600 feet east of Calcasieu River Highway Bridge.
Approximately 450,000 cubic yards of earth to be moved.
- (2) The construction of the Rose Bluff Cut Off; leaving the Calcasieu River at the upper end of Rose Bluff on the right bank of the river, then north 46° 50' east, 2.56 miles to the Calcasieu River east of Coon Island.
Approximately 2,400,000 cubic yards of earth to be moved.

- (3) The construction of the Old Cut Off below Lake Charles. This Cut Off is 900 feet long.

Approximately 250,000 cubic yards of earth to be moved.

Section 1 "A" and Section 7 can be bid together or separately.

Every bid shall be accompanied by a certified check in an amount equal to five per cent (5%) of the amount of the bid, payable to the Treasurer of Calcasieu Parish, which check shall be forfeited to the Parish should the bidder to whom such contract is awarded fail to enter into the contract required within ten (10) days after notice to do so from the Police Jury of Calcasieu Parish. The Police Jury reserves the right to reject any or all bids.

H. G. CHALKLEY,
President Police Jury.
FRED SHUTTS,
Parish Engineer.

Bids close September 30, 1924.

Sewerage System

Bastrop, La.

Sealed proposals will be received by the Mayor and Board of Aldermen up to 2 P. M. Tuesday, September 30, at Bastrop, La., for the construction of Sewerage System.

Plans and specifications may be secured at office of O. F. FEISZNER, Consulting Engineer, at Lecompte, La. Usual rights reserved.

J. W. LUDLUM, Mayor.
MRS. VIOLA CARPENTER, Clerk.
O. F. FEISZNER, Consulting Engineer,
Lecompte, La.

Bids close October 13, 1924.

Electric Light, Water Works and Ice System

Cheneyville, La.

Sealed proposals will be received by the Mayor and Board of Aldermen of the Village of Cheneyville, Louisiana, at their regular meeting place until 10 o'clock A. M. of the 20th day of October, 1924, for the following:

Two Crude-oil Engines directly connected to alternators, and clutch connected to 500-gallon-per-minute Underwriters' Pump; an 8-inch Tubular Well; 50,000-gallon Concrete Reservoir; Elevated Tank and Tower; Cast-Iron Pipe Mains, Cast-Iron Specials and Valves; Hydrants, Galvanized Pipe and Fittings; House-service Connections; Water Meters; Poles and Pole-Line Equipment; Electric House Meters; complete 5-TON ICE-MAKING PLANT; Concrete Foundations, Building, etc., etc.

Proposals must be marked "Proposals for Light and Water Works Improvements." The above should appear in RED LETTERS.

All bids must be on blank forms provided in the specifications.

Each bid must be accompanied by a certified cashier's check (bidder's bond will not be accepted) in amount of 7% of the amount of the bid. No amount less than \$75 will be received; this amount must be deposited as evidence of good faith.

Plans and specifications will be on file at the office of the Village Clerk at Cheneyville, Louisiana, and at the office of the Engineer at Glenmora, Louisiana.

Copies of the specifications, plans and form of proposals, etc., may be obtained from the Engineer, F. P. JOSEPH, Glenmora, La., by remitting \$5.00, which amount shall apply to cover the cost of same and is not refundable.

The right is reserved to reject any and all bids, waive any and all formalities and technicalities or to accept any bid or bids which, in the opinion of the Board of Aldermen, will best serve the interests of the municipality.

ROBERT DESEILLE, Mayor.
J. B. EVERITT, Clerk.
F. P. JOSEPH, Consulting Engineer,
Glenmora, La.

Bids close October 8, 1924.

Sub-Bids on High School

Wanted sub-bids on High School, Mobile, Alabama. (Architects, Geo. B. Rogers, Perkins, Fellows and Hamilton.) Address
G. A. CHAMBLIN & SONS,
9 South Claiborne Street, Mobile, Ala.

Bids close October 9, 1924.

Administration Building

Frankfort, Ky.

Sealed bids will be received on or before 10.30 A. M. October 9 at the office of the Superintendent of Public Instruction, Capitol, Frankfort, Kentucky, by the Board of Regents, Morehead State Normal School, for the erection of an administration building at Morehead, Kentucky. Plans and specifications can be obtained at the office of Joseph & Joseph, Architects, Francis Building, Louisville, Kentucky. Certified check or bidder's bond must accompany bid. Right is reserved to reject any or all bids.

McHENRY RHODES,
Chairman Board of Regents.
JOSEPH & JOSEPH, Architects.

Bids close October 8, 1924.

Power Plant Building

Rocky Mount, N. C.

Sealed proposals will be received by the Mayor and Board of Aldermen of the City of Rocky Mount, N. C., until 3 P. M. October 8, 1924, in the City Hall at Rocky Mount, N. C., for the furnishing of all labor, tools, materials, etc., for and the construction of a concrete, brick and steel Power Plant Building, river intake chamber, foundations, etc.

The structure will be approximately one hundred and twenty-five (125) feet long, eighty (80) feet wide and fifty-five (55) feet high.

Proposals must be marked "PROPOSALS FOR POWER PLANT BUILDING." All bids must be made upon blank forms provided in copies of the Proposal, Contract and Specifications.

Each bid must be accompanied by a certified check in the amount of five (5) per cent of the amount of the bid as evidence of good faith.

Copies of the specifications, form of proposal, contract, etc., may be obtained upon application to the Engineer.

The right is reserved to reject any or all bids or to award contract or contracts which, in the opinion of the Board and of the Engineer, appear to be for the best interests of the city.

T. T. THORNE, Mayor.
C. H. HARRIS, City Clerk.

W. B. DARROW,
Chairman Improvement Committee.
WILLIAM C. OLSEN, Consulting Engineer,
Raleigh, N. C.

Bids close October 21, 1924.

Filter Plant and Appurtenances

Eufaula, Ala.

Sealed proposals will be received by the Mayor and City Council of the City of Eufaula, Alabama, until 2 o'clock P. M. October 21, 1924, for constructing a Filter plant of two 500,000-gallon units and appurtenances.

The principal items of the work are: Filter Building, Filter Equipment, Clear-Water Well, Raw-Water Concrete Reservoir, Trenching and Pipe Connections and furnishing two Centrifugal Pumps 320 and 750 GPM.

Plans will be on file and may be seen at the office of the Mayor, Eufaula, Alabama, or at the office of The Ludlow Engineers, Winston-Salem, N. C., after September 25, 1924.

For the convenience of prospective bidders the Engineers will furnish full set of blue-print copies of the plans upon application, accompanied by check for \$5.00, to cover the cost.

Each bid must be accompanied by certified check made payable to the Treasurer of the City of Eufaula, Alabama, or by bid bond in the sum of approximately 5 per cent of the amount of the bid.

The right is reserved to accept any bid, to reject any or all bids, and to make the award as the best interests of the city may appear.

H. H. CONNER, Mayor.
THE LUDLOW ENGINEERS,
Winston-Salem, N. C.

Drag Line Work to Sublet

200,000 cubic yards of Laterals in Dover Drainage District, located 15 miles north of Tampa, Fla.; work suitable for $\frac{3}{4}$ or 1-yard, 40-foot boom machine, either walking or crawler type. Monthly payments in cash. Information furnished from Tampa office after October 1.

THOMPSON & MOSELEY, INC.
Atlanta, Ga. Tampa, Fla., office
914 Healey Bldg. Lobby Hillsboro Hotel.

Bids close October 14, 1924.

Incinerator

SANITARY DEPARTMENT

Tampa, Fla.

Sealed bids will be received by the City Commission of the City of Tampa, at the office of the City Clerk, until noon October 14, 1924, on the purchase and construction of an approximately 50-ton capacity incinerator; same to be built on property furnished by the City of Tampa.

Any information on the above may be obtained from the City Manager.

The city reserves the right to reject any or all bids.

CITY COMMISSION.

By B. A. REDDING,

City Purchasing Agent.

Attest:

WM. E. DUNCAN, City Clerk.

Bids close September 26, 1924.

Structural Steel

Raleigh, N. C.

Bids will be received at the office of the Secretary of State, Raleigh, N. C., at noon on September 26, 1924, for the structural steel frame for the Department of State Building, corner of Morgan and Salisbury streets, Raleigh.

Information concerning this work can be obtained at the office of Atwood & Nash, Architects and Engineers, Chapel Hill, N. C.

A certified check in the amount of five per cent of the bid will be required as a guarantee of execution of the contract.

The right is reserved to reject any or all bids or to accept any bid.

W. N. EVERETT, Secretary of State.
Dated September 4, 1924.

Hauling

Sumter, S. C.

We desire to let hauling contract for concrete road in Sumter County, South Carolina. Seven-mile minimum haul, eleven-mile maximum, average nine-mile haul. Approximately three hundred twenty-four thousand tons miles in job. If you have a fleet of trucks capable of handling this for twenty-one E. Paver, communicate with us at once.

SLATTERY & HENRY, INC.,
Greenville, S. C.

Bids close October 7, 1924.

Abattoir and Equipment for Same

Greensboro, N. C.

Sealed bids will be received by the City of Greensboro, North Carolina, until 2.15 o'clock P. M. Tuesday, October 7, 1924, and then publicly opened and read, for the construction of the abattoir to be erected on land owned by the city and for the necessary refrigerating and packing-house machinery.

Plans and specifications may be secured from The C. L. Brooks Engineering Company of Savannah, Ga., or may be seen at the office of the City Health Officer, Greensboro, North Carolina.

Each bid for the construction of the abattoir building must be accompanied by a certified check of \$2500 and each bid for the machinery contracts shall be accompanied by a certified check of five per cent of the total amount of the bid, drawn on a clearing-house bank and made payable to the City of Greensboro, North Carolina.

All bids shall be sealed and marked on the outside, "Bid for the construction of city abattoir," or "Furnishing equipment for city abattoir," as the case may be, and addressed to P. C. Painter, City Manager, Greensboro, North Carolina.

The city reserves the right to reject any or all bids.

P. C. PAINTER, City Manager.

Bids close October 3, 1924.

Fire Truck

Durham, N. C.

Bids will be received by the Purchasing Agent of the City of Durham, N. C., for furnishing one 750-gallon capacity Triple Combination Standard Fire Truck until 10 A. M. Friday, October 3, 1924, at which time they will be publicly read at the City Hall.

Complete specifications of the truck, with a statement of service guaranteed by the manufacturer and price complete, delivered to Durham, N. C., must be filed before bids are opened. The city reserves the right to reject any or all bids or to accept such bids as appear in its judgment to be for the best interests for the city.

A. T. CRUTCHFIELD, City Pur. Agent.

Bids close October 13, 1924.

Water Pipe Hydrants, Valves, Etc.

Mobile, Ala.

Sealed bids will be received by the City Commissioners of the City of Mobile, Alabama, until noon October 13, 1924, for furnishing and installing cast iron Water Pipe Hydrants, Valves, etc. The Commissioners reserve the right to reject any or all bids. Information in regard to the work can be obtained from the office of the City Engineer. The approximate quantities to bid upon are as follows:

5457 ft. 24" cast-iron pipe, Class C, with fittings.

5882 ft. 16" cast-iron pipe, Class C, with fittings.

12,882 ft. 6" cast-iron pipe, Class B, with fittings.

1688 ft. 8" cast-iron pipe, Class B, with fittings.

37 Fire Hydrants.

18 Tapping Valves and Sleeves.

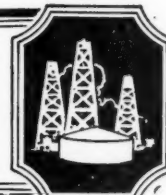
8 Gate Valves.

3 Manholes.

R. V. TAYLOR, Mayor.

WRIGHT SMITH, City Engineer.

H. W. BELL, Engineer in Charge of Construction.

**CLASSIFIED OPPORTUNITIES****MINERAL AND TIMBER LANDS WATER POWER, MISCELLANEOUS PROPERTIES****NORTHWEST GEORGIA.**

The scene of the next great industrial development in Georgia. Electric power available. Large power plants under construction.

For industrial sites; pine and hardwood timber; brick shales; clays; large or small water powers; farms in a prosperous section. Write, with detail, as to your requirements.

C. E. VANCE, Calhoun, Georgia.

S. W. SOWERS & SON,

Real Estate Operators,

Established 1894.

Hagerstown, Maryland.

specialize in the sale of industrial plants, going or dead; iron ore, coal, timber lands and other properties of a distinctive character and merit.

We will appreciate your submitting fully what you have to list for sale or what you want to buy. We sell on a commission basis only. No sale, no expense.

Thirty years of conscientious service have produced a confidence in our clients of which we are proud.

Reference—The Hagerstown Bank.

WE OFFER—FOR SALE a 2000-acre Virginia iron-ore and timber property lying on both sides of a railroad. A reputable mining engineer referring to the iron ore, of which there are millions of tons, says: "There is probably no better ore deposit of equal size left in Virginia so far as quality is concerned." The timber is of good quality and more than is required to take care of the needs of the mines. This property is an exclusive listing.

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Rate 30 cents per line per insertion. Minimum space accepted, four lines. In estimating the cost allow seven words of ordinary length to a line. When the advertisement contains a number of long words proper allowance should be made.

Terms: Invariably cash with order; check, postoffice or express order or stamps accepted. No display type used. Questionable or undesirable advertisements will not be accepted. The assistance of our readers in excluding undesirable advertisements is requested. We reserve the right to refuse any advertisement. No patent medicine, oil or mining stock advertisement accepted. Rate for special contracts covering space used as desired within one year as follows: 100 lines, 28c per line; 300 lines, 26c per line; 500 lines or more, 25c per line.

MINERAL AND TIMBER LANDS WATER POWER, MISCELLANEOUS PROPERTIES**STONE QUARRY**

FOR SALE OR LEASE—Well-equipped stone quarry producing crushed stone, unlimited supply and demand, at good price. Only quarry in or near city of 50,000 inhabitants. Cannot supply one-half of demand at present production. Good reasons for selling. C. G. Loving, Lynchburg, Va.

COAL AND TIMBER LAND

FOR SALE—1200 acres of coal and timber land in fee: lies on Tug River of W. Va. and N. & W. Rwy. Drift-mouth mining; non-union field. An unusually good and absolutely safe investment for a man of moderate or large means.

J. G. BUSTON, Tazewell, Virginia.

MINERAL AND TIMBER PROPERTIES WANTED WANTED.

TO HEAR from parties having mineral properties for sale.

UNITED MINERALS CO., Roanoke, Va.

TIMBER WANTED

WANTED—100,000,000 feet or more of good pine timber. Give full particulars in first letter.

P. O. Box 554, Savannah, Ga.

TIMBER AND TIMBER LAND

FOR SALE—5100 acres of fine hardwood timber and river-bottom land, estimated to cut twenty-two million feet of timber. POLK-BOURNE REAL ESTATE COMPANY, 320 Boyle Bldg., Little Rock, Arkansas.

FARM, FRUIT AND TRUCK-LANDS**FLORIDA**

FLORIDA'S all-year climate, for work or play, offers greatest opportunity of any state for health or wealth. Ask for information. Hardin Land Co., Box 63, Lakeland, Florida.

EVERGLADE LAND, rich, deep muck soil, five-acre truck farm up to 40,000-acre colonization tracts, million-and-a-half-dollar sugar mill near which refined sugar this year. Land adapted to truck, fruit, sugar cane or stock farming.

STEWART, HOLLOPETER & McCUNE, Realtors, Miami, Florida.

WE OWN 12,000 ACRES of Everglades Muck land. Soil over 10 feet deep. Adjoining lands now under cultivation. Sixteen miles of rock surfaced roads and navigable canals already constructed. This tract fronts on the Cross State Highway. For sale at an attractive price.

CONSOLIDATED REALTY COMPANY, 223 Clematis Ave., West Palm Beach, Fla.

FARM, FRUIT AND TRUCK LANDS

FLORIDA

FOR SALE—400 acres in Brevor County, Fla., between Indian River and F. E. C. R. Dixie Highway running through it; would make ideal subdivision.
C. R. JENKINS, Sharpes, Fla.

FLORIDA—Playground of the Rich; Paradise of the poor. The fastest developing State in the Union, and Roger Babson, the great business statistician, says that TAMPA is destined to be the greatest city in the Southeast. Come and be one of us. We have a Home, Grove or Farm for you. Send today for booklet, "Largest Orange Tree in the World," and list. Tampa-West Coast Realty Co. (Inc.), Opp. Postoffice, "Since before the war," Tampa, Fla.

MARYLAND

LANDS OR FARMS For Sale—Waterfront farms, 1 to 500 acres, excellent locations as to communication, roads and water frontage. H. Wrightson Dawson, St. Michaels, Md.

RANCH

KAMEY—Well-known ranch, 1000 acres, meadow land, plantation, stock farms, well-improved richest black land, stocked, developed, productive, with excellent school, graded roads, tenants, tools, tractors, hogs, sheep, poultry; health and climate unexcelled; also 100 acres townsite and Kamey town, water supply, on shell highway, near Coast; cool, delightful country life; conveniences; \$80 acre. Also 518 acres on Guadalupe, same county; produced 2½ bales cotton per acre. Rare opportunity. Also 105 acres improved at Seadrift, \$25 acre. J. W. McKAMEY, Port Lavaca, Texas.

BUSINESS OPPORTUNITIES

I SPECIALIZE in industrial, warehouse and business sites at and adjacent to Washington, D. C.

M. B. HARLOW,
Harlow Building, Colorado Building,
Alexandria, Va. Washington, D. C.

FOR SALE—Complete street-paving organization, now on 65,000-yard North Carolina municipal job, which goes with the outfit. Active owner wishes to retire to look after other interests. Bennett Nooe, Jr., Leaksville, N. C.

WANTED—To hear from those interested in a furniture factory or wooden toy plant, Davisboro, Ga.; splendid location; plenty labor and material at hand. W. B. Warthen.

I WISH TO CALL your attention to a boundary of coal advertised elsewhere on this page. Land is the foundation of all wealth; this land has on it three seams of coal, also fine timber; write me about it.
J. G. BUSTON, Tazewell, Virginia.

FILTER SAND USERS—We are offering for filter purposes 98½% silica sand, effective size .45 millimeters, uniformity coefficient 1.6. Sample sent on request.

EVANS SAND CO., ELLIOTT, S. C.

CORRESPONDENCE is solicited with a well-equipped foundry and machine shop which would consider the production of a complete line of extra-heavy, medium-pressure and standard iron-body gate and globe valves. Address No. 6369, care Manufacturers Record, Baltimore, Md.

WANTED—SASH-WEIGHT BROKER.

We have completed a new foundry for production exclusively of Sash or Window Weights. Capacity fifty tons daily. We desire to get in touch with reliable broker to handle part or all of output. Address
P. O. BOX 1524,
Atlanta, Georgia.

ENGINEER AND DESIGNER has new design internal combustion engine, with important developments, suitable for any purpose for which present 4 and 6 cylinder Auto-type Engines can be used. Gasoline, Kerosene and fuel oil, wishes to make connection to manufacture and market. Address No. 6372, Manufacturers Record, Baltimore, Md.

I SPECIALIZE in industrial, warehouse and business sites at or near Tampa, Florida, the seventh largest port in the United States. Jasper Walker, P. O. Box 674, Tampa, Florida.

BUSINESS OPPORTUNITIES

MR. MERCHANT!

Do you want a live business in Tampa, Fla., with a weekly payroll of one industry alone of \$750,000? I have \$20,000 stock of Men's and Boys' Clothing, Shoes, Hats, Furnishings, etc., that I will sacrifice for quick sale, as my health has failed and I must get out. Stock new and clean; splendid location; established trade; three-year lease, with option. Come see it or write or wire me at once.

THE GRAND LEADER,
1413 Seventh Avenue, Ybor City, Tampa, Fla.
J. Rothman, Prop.

FACTORY SITES

FOR SALE—Two Flour Mill or other Factory Sites located in Staunton, Va. Connections with two R. R.'s. Water and Electric power VERY LOW PRICE for quick sale. For particulars apply at once to A. Lee Knowles, Real Estate, Staunton, Va.

RICHMOND, VA.—Great manufacturing center. Steamers direct to New York; 5 trunk-line railroads reaching East, West, North and South. Warehouses, with and without trackage. Splendid sites for factories and warehouses, any size, with or without trackage. Labor plentiful and of good type. Richmond Trust Co. Real Estate Department, P. O. Box 1555.

380 A. IN PIEDMONT, SOUTH CAROLINA—One mile front on railroad and national highway, electric power; ideal site for cotton mills or other industries. We want to get in touch with developers of this proposition. No. 6271, care Manufacturers Record.

INDUSTRIES WANTED

MORGANTOWN, W. VA., situated in the heart of the greatest High Volatile Coal Field in the world, wants Industries. Will co-operate with the manufacturer. Has natural gas, low-power rates and exceptionally favorable shipping facilities. For information address Associated Industries Co., Box 775, Morgantown, W. Va.

REST AND EAT is the name for the new up-to-date Hotel which will be built at the new town of Schriever, La.

Who will, without delay, take advantage of the greatest Hotel opportunity in all the South?

One hundred and fifty thousand well-to-do people, all employed and no competent hotel. More than 100 miles of Palace Motor buses converge here and no hotel.

The Southern Pacific Railroad has just purchased three tracts of land here, and no hotel to take care of their growing business.

Gas flowing out of the ground here has been constantly burning for years. And it is 90% sure that more than two of the Big Companies will drill for oil. Without a hotel what can we do with the business? Association of Industries—Schriever, La.

FREE FACTORY SITES.

Locate your plant in the Ohio Valley. The New Martinsville Land Company offers free factory sites.

Splendid train service, advantage of rail and river shipments, coal and natural gas for fuel. Property located at Clarington Station and right along the West Penn High Tension Electric Line. The State Highway runs through it. Labor is plentiful and living conditions ideal.

The Ohio Valley is the land of opportunity at this time. The Ohio River is rapidly approaching the place where it will be one of the greatest inland waterways in the world. Millions of dollars are now being expended on the river and roads. Address
C. M. HORN BROOK, Secretary
The New Martinsville Land Company,
New Martinsville, West Virginia.

INDUSTRIAL PLANTS

If interested in buying
A SOUTHERN COTTON MILL
Write to

F. C. ABBOTT & COMPANY,
Charlotte, N. C.
26 years' experience in Southern Mill Stocks.

FOR SALE—Well-equipped foundry and machine shop with iron-working equipment for the manufacture of industrial cars. Located on four trunk lines; plenty of cheap labor, fuel and materials. Reason for selling owner desires to retire from active business. Located in the growing South. Low price and easy terms. Address No. 6353, care Manufacturers Record, Baltimore, Md.

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PATENTS—Booklet free. Highest references. Best results. Promptness assured. Watson E. Coleman, Patent Lawyer, 644 G St. N. W., Washington, D. C.

INVENTORS—Send sketch or model of your invention, for opinion concerning patentable nature, and exact cost of applying for Patent. Book, "How to Obtain a Patent," sent free. Gives information on patent procedure and tells what every inventor should know. Established 25 years. Chandlee & Chandlee, 412 Seventh St. N. W., Washington, D. C.

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Write for our free Guide Books and "RECORD OF INVENTION BLANK" before disclosing inventions. Send model or sketch and description of your invention for our free Examination and Instructions. Highest references. Reasonable terms. VICTOR J. EVANS & CO., 712 Ninth, Washington, D. C.

AGENCIES WANTED

AMERICAN COMMISSION MERCHANT, seven years' European experience, desires selling agency for Yellow Pine, Poplar and Hardwood. Is exporting to the States Steel, Cement, Tiles and Cement Roofing. Inquiries solicited. Walter Denman, 26 Rue du Transvaal, Antwerp. Cable address "Walterden, Antwerp." All codes.

SITUATIONS WANTED

WHAT HAVE YOU TO OFFER a hard-hitting, ambitious salesman seeking a manufacturers' line direct in New York State? Address R. N. Wallace, 616 East Fayette street, Syracuse, N. Y.

MEN WANTED

WHOLESALE LUMBER COMPANY with well-established trade wants experienced pine and hardwood salesman of proven ability for Virginia and North Carolina territory. Address
P. O. BOX 1232, COLUMBIA, S. C.

SALARIED POSITIONS \$2500 to \$25,000 upward; executive, technical, administrative, engineering, manufacturing, professional, managing, financial, etc., all lines. If you are qualified and receptive to tentative offers for a new connection you are invited to communicate in strict confidence with the undersigned, who will conduct preliminary negotiations for such positions. A method is provided through which you may receive overtures in confidence, without jeopardizing present connections, and in a manner conforming strictly to professional ethics. Send name and address only; preliminary particulars will be sent without obligating or compromising you in any way. R. W. Bixby, Inc., 403 Lockwood Building, Buffalo, N. Y.

ROAD FORMS

ROAD FORMS—1000 feet 10"x6" Heavy Improved CK Blaw-Knox road forms used once on 2-mile-road job. Bargain price. Fine condition.
J. F. FOSTER, Box 62, Augusta, Ga.



SPECIAL ADVERTISEMENTS OF GENERAL INTEREST



FOR SALE FORD MOTOR CO. PLANT—DALLAS

STORAGE YARD
125x200 feet adjoining
building

The Ford Motor Company is building a greatly enlarged new plant in Dallas, and for this reason the present quarters will be for sale with possession about January 1st, 1925. This is an unusual opportunity to purchase one of the best buildings and factory or warehouse sites in Dallas. SIZE OF LOT—400 x 125; whole half block, streets on three sides with railroad frontage of 400 feet on other side. SIZE OF BUILDING—200 x 125 feet, 4 stories and basement, consisting of 125,000 square feet of floor space. Extra heavy concrete construction, modern in every detail, including electric freight and passenger elevators, steam heating plant, sprinkler system, vaults, etc. Will gladly furnish further details to interested parties. Call Porter Lindsley or Chas. T. Paul, 1209 Main Street. Phone X-4366. Exclusive Agents. Co-operation of brokers solicited.



"34 Years in Dallas"

J. W. LINDSLEY & CO., Realtors

Insurance, All Kinds

Trustee's Sale Under First Mortgage: AMERICAN BOY STOCKING MILL

This property consists of 15 building lots containing modern reinforced concrete factory 40 x 100 ft., 16 ft. pitch, with "L" 20 x 50 ft., with steel sash and wired glass; 30 S. & W. knitting machines; 41 Brinton ribbers; 7 steady dial loopers (6-14 pt. and 1-16 pt.); 1 Oswald lever; 10 spindle rewinder; 1 40 h.p. boiler; 1 heating plant; 5 boarding tables; 98 Paramount forms; 1 Rome textile dye machine; 1 40 extractor; 1 high desk; 1 diagraph stencil machine; and 1 platform scale. This plant is new, having been operated less than 3 years. Power—electric.

Sale October 1 (Wednesday), 1924, at 12.00 M., on the premises Mallory street and C. & O. Ry., Phoebus, Virginia.

Terms—Cash. Purchaser to deposit 10 per cent of purchase price at time of sale, remainder to be paid on delivery of deed within 10 days from day of sale.

Capacity of plant, 1500 dozen per week. Trained help available without opposition.

C. VERNON SPRATLEY, Trustee
HAMPTON, VA.

W. H. POWER, Trustee
PHOEBUS, VA.

September 4, 1924.

FLORIDA WANTS YOUR INDUSTRY

If you are contemplating the location of or investment in any industry in Florida or desire to make investment in lands, developments or any business in Florida. Have your investigations and certified reports made by registered Florida engineers who are residents and familiar with all local conditions. Each dollar invested in a report may save you hundreds.

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3us Terminal Building, 25-27 W. Central Ave., ORLANDO, FLA.

FOR RENT

3 WOODEN ONE-STORY WAREHOUSES

two of them 60 x 150, one 60 x 100 totaling 36,000 feet of floor space. Located on Southern Railway, Camp Sevier, Greenville, S. C. Cement road, fire protection, electric lights and power.

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WE CAN ASSIST YOU

in finding the proper location for your Company and employees in Georgia. Our free information facilities and efficient service are available for the asking. Use us.

Specialists in all phases of real estate, renting, investments and construction.

L. W. ROGERS REALTY & TRUST CO.

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Manufacturers Record

Baltimore, Md.

Why McGraw carries 25 men

NINE MEN are all that can play at any one time. The rest are insurance. A player may be injured—McGraw has a reserve supply. The turn of the game may require a pinch hitter—McGraw calls on the bench. It is this knowledge of his reserve forces that enables McGraw to play a winning game.

Oxygen for your day's needs is all that is necessary to run your plant. Your Linde contract is insurance. One oxygen plant may break down—Linde has a reserve supply. An increase in your business may require an excess of oxygen—Linde calls on any or all of its 115 plants and warehouses. It is this knowledge of Linde's reserve forces that enables you to be free from worry over oxygen—if you are a Linde customer.

Linde uses its team

The Linde team of 115 plants and warehouses would be of little advantage to you if Linde did not play the game and use these plants and warehouses for you.



On one of the upper floors of the Carbide & Carbon Building in New York City the Linde Company has men who watch production and stock in every one of Linde's 115 plants and warehouses.



Unknown to you, Linde plants in Ohio are wired to supply some warehouse in New York or Pennsylvania; or Chicago instructed to ship to Detroit; and Detroit to Toledo.



Linde not only has the facilities to furnish its customers with a dependable supply of oxygen, but—it uses them.

THE LINDE AIR PRODUCTS COMPANY

General Offices: Carbide & Carbon Bldg.

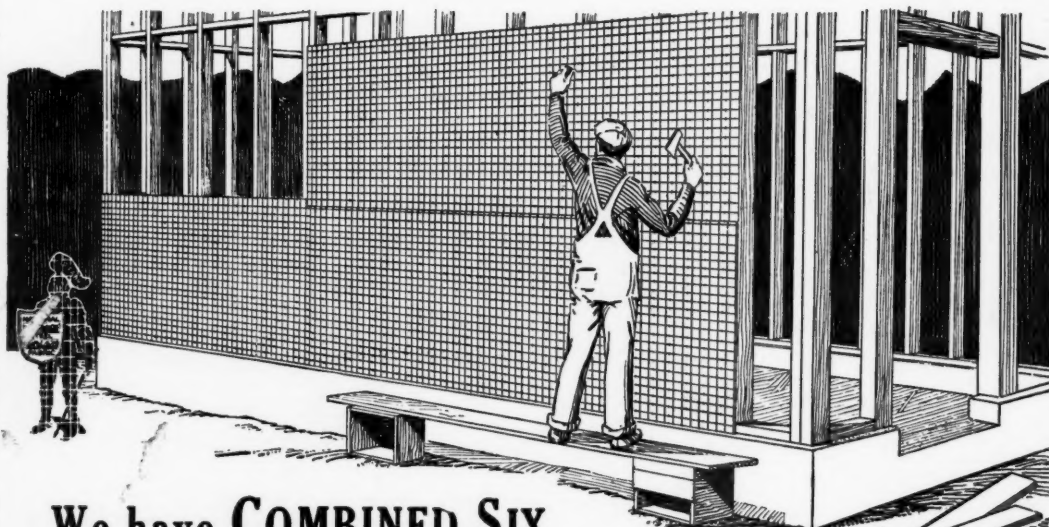
30 East 42d Street, New York

38 PLANTS—77 WAREHOUSES



LINDE OXYGEN

YOU CAN DEPEND ON THE LINDE COMPANY



We have COMBINED SIX BUILDING MATERIALS into ONE

National Steel Fabric Style P-214 is not a *substitute*—

It is a combined base and *reinforcement*, which not only unites sheathing, building paper, furring strips, lath, reinforcement, and nails into *one* building material, but also assures stronger, monolithic, more permanent, more firesafe, and (which is most gratifying) less costly and "back-plastered" construction.

Style P-214 is used for plaster walls and ceilings and stucco walls, also for cement, composition, and tile porch and bathroom floors.

On all your jobs, be sure to *reinforce* all concrete, plaster and stucco with National Steel Fabric.

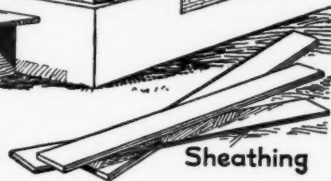
Send for our new free catalog, and book, "Building a Permanent Home."

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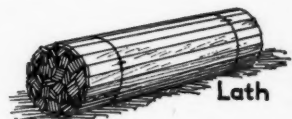
Sheathing



Building Paper



Furring Strips



Lath



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Nails

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